Government of Saskatchewan

# Annual Report 1982

Saskatchewan Health
Vital Statistics
3475 Albert Street
Regina, Saskatchewan
S4S 6X6

ISSN 0710-670X

**Department of Health**

**To The Honourable F. W. Johnson,**
**Lieutenant Governor of Saskatchewan.**

May It Please Your Honour:

I beg to present herewith, for your consideration, the annual report on Saskatchewan vital statistics for the calendar year 1982.

Respectfully submitted,

**Graham Taylor,**
**Minister of Health.**

**Department of Health**

**To The Honourable Graham Taylor,**
**Minister of Health.**

Sir:

I have the honour to forward herewith the annual report on Saskatchewan vital statistics for the calendar year 1982.

Respectfully submitted,

**Walter Podiluk**
**Deputy Minister of Health.**

# Foreword

The Saskatchewan Vital Statistics Annual Report 1982 has been prepared subsequent to the Interim Report on Saskatchewan Vital Statistics for the Calendar Year 1982, which was tabled in the Legislative Assembly on April 7, 1983. The Interim Report is based on place of occurrences in Saskatchewan regardless of place of residence. This Annual Report is based on occurrences to Saskatchewan residents regardless of where they took place.

# Contents


Page

Terms and Definitions ____ 9

**Introduction** ____ 11
Population, births, deaths, natural increase, marriages, divorces and annulments.

**Health Regions** ____ 20
Births, deaths, infant deaths, neonatal deaths.

**Births** ____ 24
Birth rate, births in hospitals, births by sex, births occurring to single mothers, stillbirths, fertility rates, age of parents, birth order, birth weight.

**Mortality** ____ 31
Age-sex mortality, standardized (age adjusted) death rates, deaths in hospitals, leading causes of death, heart diseases, malignant neoplasms (cancer), accidents and violence.

**Infant Mortality** ____ 52
Infant mortality rate, urban-rural differences, infant deaths by sex and age, causes of infant deaths, neonatal mortality, perinatal mortality.

**Marriages and Divorces** ____ 58
Rate of marriages, previous marital status and age at marriage, birthplace and religious denomination, divorces and annulments.

**Life Expectancy** ____ 61


# List of Tables


Page

**Introduction**

1. Summary of Vital Statistics, Saskatchewan, 1977-1982 ____ 13
2. Natural Increase and Actual Increase, Saskatchewan, 1961-1982 ____ 14
3. Live Births and Deaths by Place of Occurrence and Place of Residence, Saskatchewan, 1982 ____ 15
4. Population of Saskatchewan by Age Groups and Sex, 1980-1982 ____ 16
5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1982 ____ 18

**Health Regions**

6. Population of Health Regions, Saskatchewan, 1982 ____ 21
7. Summary of Vital Statistics for Health Regions, Saskatchewan Residents, 1982 ____ 22
8. Selected Leading Causes of Death by Residence, Saskatchewan, 1982 ____ 23

# List of Tables (Continued)


| | | Page |
|---|---|---|
| **Births** | | |
| 9. | Stillbirths by Sex and Period of Gestation, Saskatchewan, 1982 | 26 |
| 10. | Live Births and Stillbirths by Age of Mother, Saskatchewan, 1982 | 26 |
| 11. | Live Births by Age of Parent, Saskatchewan, 1982 | 27 |
| 12. | Live Births by Age of Mother and Order of Birth, Saskatchewan, 1982 | 27 |
| 13. | Live Births by Age of Mother and Birth Weight, Saskatchewan, 1982 | 28 |
| 14. | Live Births by Period of Gestation and Birth Weight, Saskatchewan, 1982 | 29 |
| 15. | Live Births by Marital Status and Birth Weight for Mothers Under 20, Saskatchewan, 1982 | 30 |
| 16. | Live Births by Marital Status and Gestation for Mothers Under 20, Saskatchewan, 1982 | 30 |
| **Mortality** | | |
| 17. | Age Specific Death Rates (per 1,000 population), Saskatchewan, 1973-1982 | 31 |
| 18. | Standardized Mortality Rates for Saskatchewan, Decennial Census Years, 1921-1982 | 33 |
| 19. | Deaths by Age and Sex with Rates and Percentages, Saskatchewan, 1982 | 33 |
| 20. | Leading Causes of Death in Each Age Group, Saskatchewan, 1982 | 34 |
| 21. | Deaths from Leading Causes by Sex, with Per Cent Distributions and Rates per 100,000 Population, Saskatchewan, 1981 and 1982 | 35 |
| 22. | Life Years Lost and Average Age of Decedents by Cause of Death, Saskatchewan, 1982 | 36 |
| 23. | Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1982 | 38 |
| 24. | Accidental and Violent Deaths by External Cause and Internal Cause, Saskatchewan, 1982 | 49 |
| 25. | Suicide by Province, 1977-1982 | 50 |
| 26. | Suicide by Age Group and Sex, Saskatchewan, 1961-1982 | 50 |
| **Infant Mortality** | | |
| 27. | Distribution of Infant Deaths, by Age, Saskatchewan, 1982 | 53 |
| 28. | Infant Deaths by Sex and Age at Death, with Rates per 1,000 Live Births, Saskatchewan, 1982 | 53 |
| 29. | Infant Deaths by Selected Causes with Rates per 1,000 Live Births by Age at Death, Saskatchewan, 1982 | 54 |
| 30. | Infant Deaths from Specified Causes by Sex with Rates per 1,000 Live Births, Saskatchewan, 1982 | 56 |
| 31. | Infant Deaths from Specific Causes by Age at Death with Rates per 1,000 Live Births, Saskatchewan, 1982 | 57 |
| **Marriages and Divorces** | | |
| 32. | Divorces and Annulments, Ratio to Marriages, and Rate per 100,000 Population, Saskatchewan, 1976-1982 | 59 |
| 33. | Marriages by Previous Marital Status of Bridegroom and Bride, Saskatchewan, 1982 | 59 |
| 34. | Bridegrooms and Brides by Age and Previous Marital Status, Saskatchewan, 1982 | 59 |
| 35. | Marriages by Religious Denominations of Bridegroom and Bride, Saskatchewan, 1982 | 60 |
| 36. | Marriages by Birthplace of Bridegroom and Bride, Saskatchewan, 1982 | 60 |
| **Life Expectancy** | | |
| 37. | Life Expectancy, Saskatchewan, 1941, 1961, 1981 | 61 |
| 38. | Life Table for Saskatchewan in Shortened Form, 1981 | 62 |


# List of Figures


| | | Page |
|---|---|---|
| 1. | **Health Region Map** | 20 |

# Terms and Definitions

A summary of symbols, definitions, and the method of computing rates used in this report are given below.

## Symbols:

n.a. figures not available
— nil or zero

## Definitions:

**Population** — unless otherwise indicated, resident population as enumerated in census years or estimated for intercensal years.
— 1972-1975 — June 1 intercensal estimates.
— 1921-1971, 1976, 1981 — census or revised estimates.
— 1977-1980 — final postcensal estimate — June 1st.
— 1982 — June 1 final postcensal estimates.

**Births** — unless otherwise indicated, infants born alive, i.e. excluding stillbirths.

**Stillbirths** — unless otherwise indicated, foetal deaths of 20 or more weeks' gestation.

**Deaths** — unless otherwise indicated, exclude stillbirths.

**Infant deaths** — deaths under 1 year of age.

**Neonatal mortality** — deaths under 28 days (4 weeks) of age.

**Maternal mortality** — deaths due to delivery and complications of pregnancy, childbirth and the puerperium (Categories 630-676 International List).

**Perinatal mortality** — foetal deaths of 20 or more weeks' gestation plus infant deaths under 7 days (1 week) of age.

**Natural increase** — excess of births over deaths.

**Crude rates** — birth, marriage, death and natural increase rates per 1,000 population.

**Age-specific fertility rates** — birth rate per 1,000 women in the respective age period.

**Total fertility rates** — sum of female age-specific fertility rates, multiplied by 5

**General fertility rates** — birth rate per 1,000 women 15-49 years.

**Gross reproduction** — average number of live daughters that would be born to a hypothetical female birth cohort if subjected to current age-specific fertility rates, and assuming that mortality before age 50 is zero.

**Total births** — live births and stillbirths.

**Years of Life Lost** — number of years between age at death and mean life expectancy for that age.

**Age** — complete ages in years, months, etc.

**Average age** — arithmetic mean.

**Median age** — age above and below which half of the total events occur.

## Rates

(unless otherwise indicated, computed as follows)

| | |
|---|---|
| **Live births:** | per 1,000 population. |
| **Stillbirths:** | per 1,000 live births. |
| **Deaths:** | per 1,000 population. |
| **Infant:** | per 1,000 live births. |
| **Neonatal:** | per 1,000 live births. |
| **Maternal:** | per 1,000 live births. |
| **Perinatal:** | per 1,000 total births. |
| **Causes of death** | |
| **All causes:** | per 100,000 population. |
| **Infant:** | per 1,000 live births. |
| **Marriages:** | per 1,000 population. |
| **Divorces:** | per 100,000 population. |
| **Natural increase:** | per 1,000 population. |

## Notes:

1. Causes of death are coded according to the 9th 1975 Revision of the International Classification of Diseases, Injuries and Causes of Death, which was put into effect on January 1, 1979.
2. Rates and percentages may not add to 100.0 due to rounding.
3. Inquiries about this publication should be addressed to:

Policy Research and Management Services Branch
Saskatchewan Health
3475 Albert Street
Regina, Saskatchewan
S4S 6X6
(306) 787-3154

# Introduction

## Population

At the turn of the century, the first heavy settlement took place in Saskatchewan. This was a period of record migration from overseas, supplemented by a massive east-west movement on the continent itself. This trend, however, reversed during the 1930's. Low fertility and low mortality prevailed and the migration of people began in the opposite direction. After World War II, the fertility rate reversed from low to moderate while the mortality rate remained low. During the 1950's and 1960's, losses in population continued but the higher rate of natural increase counterbalanced these losses. Between 1968 and 1974, the population declined until the 1974 population was less than that of 1961. The population has since shown a marked increase.

| *Year* | *Population (000's)*[1] |
|---|---|
| 1921 | 757 |
| 1931 | 922 |
| 1941 | 896 |
| 1951 | 832 |
| 1961 | 925 |
| 1971 | 926 |
| 1981 | 968 |
| 1982 | 979 |

[1] *Source — Statistics Canada.*

During the past 30 years, the proportion of older people (65 years and over) has been increasing both in Canada as a whole and in Saskatchewan.

**Percentage Distribution of the Total Population**

| | *Canada* | | *Saskatchewan* | |
|---|---|---|---|---|
| *Age* | *1977* | *1982* | *1977* | *1982* |
| 0-19 | 35.1 | 31.3 | 36.8 | 33.9 |
| 20-44 | 36.9 | 39.7 | 32.1 | 35.3 |
| 45-64 | 19.1 | 19.1 | 19.9 | 18.7 |
| 65+ | 8.9 | 9.9 | 11.2 | 12.2 |

Males outnumber females in the population; however, the trend is toward a more equal distribution.

**Percentage Distribution by Sex, Saskatchewan**

| *Year* | *Male* | *Female* | *Males per 100 Females* |
|---|---|---|---|
| 1921 | 54.6 | 45.4 | 120 |
| 1931 | 54.2 | 45.8 | 119 |
| 1941 | 53.3 | 46.7 | 114 |
| 1951 | 52.2 | 47.8 | 109 |
| 1961 | 51.8 | 48.2 | 108 |
| 1971 | 50.8 | 49.2 | 103 |
| 1981 | 50.2 | 49.8 | 101 |
| 1982 | 50.2 | 49.8 | 101 |

## Births

During the 1920's and 1930's the birth rate was characterized by a declining trend and reached a record low in the late 1930's. Gradually rising during the war years, the rate turned sharply upward, culminating in the peak of 1947. After a dip in the late 1940's, a steady rise occurred until a new peak was reached in 1954. The birth rate had been decreasing until it reached its new record low of 16.4 in 1973. The year 1974 indicated a slight increase with the birth rate at 16.8, and by 1982 the rate had risen to 18.1 per 1,000 population.

**Live Birth Rates per 1,000 Population, Canada and Provinces, 1982**[1]

| | *Rate* |
|---|---|
| Canada | 15.2 |
| Newfoundland | 16.1 |
| Prince Edward Island | 15.7 |
| Nova Scotia | 14.5 |
| New Brunswick | 15.0 |
| Quebec | 14.0 |
| Ontario | 14.4 |
| Manitoba | 15.6 |
| Saskatchewan | 18.1 |
| Alberta | 19.5 |
| British Columbia | 15.4 |

[1] *Source — Statistics Canada.*

Stillbirths are near an all-time low.

**Stillbirth Rates per 1,000 Live Births, Canada and Provinces, 1982[1]**

| | Rates Weeks Gestation | |
|---|---|---|
| | *20+* | *28+* |
| Canada | 6.9 | 5.2 |
| Newfoundland | 7.2 | 5.1 |
| Prince Edward Island | 7.8 | 6.8 |
| Nova Scotia | 7.1 | 5.6 |
| New Brunswick | 6.8 | 5.7 |
| Quebec | 6.2 | 4.4 |
| Ontario | 7.6 | 5.4 |
| Manitoba | 6.2 | 3.9 |
| Saskatchewan | 7.8 | 5.8 |
| Alberta | 8.5 | 5.7 |
| British Columbia | 7.4 | 5.1 |

[1] *Source — Statistics Canada.*

### Deaths

The current crude death rate of 8.4 per 1,000 population in Saskatchewan is higher than the 1921 crude death rate (7.4). However, the standardized (age adjusted) mortality rates show a marked improvement (5.5 in 1982) (Table 18). Since 1921, the average age of decedents has more than doubled. Saskatchewan's crude death rate is higher than that for Canada as a whole (8.4 and 7.1 respectively).

**Death Rates per 1,000 Population, Canada and Provinces, 1982[1]**

| | *Rate* |
|---|---|
| Canada | 7.1 |
| Newfoundland | 6.0 |
| Prince Edward Island | 8.0 |
| Nova Scotia | 8.1 |
| New Brunswick | 7.4 |
| Quebec | 6.7 |
| Ontario | 7.3 |
| Manitoba | 8.2 |
| Saskatchewan | 8.4 |
| Alberta | 5.6 |
| British Columbia | 7.4 |

[1] *Source — Statistics Canada.*

Growth of the older population brought prominence to those diseases which are associated with the conditions of middle and old age, namely the cardio-vascular and renal diseases, and cancer as the leading causes of death. Another leading cause of death, accidents, came into prominence as a result of reductions in mortality from infections and certain other diseases once considered fatal.

Although there have been small fluctuations in the rate of infant deaths per 1,000 live births, on the whole this rate has been decreasing steadily since the record high of 92 infant deaths per 1,000 live births in 1923.

Maternal mortality has been virtually eliminated in Saskatchewan, with no maternal deaths occurring in 1982. The last maternal death occurred in 1979.

### Natural Increase

During 1982, the net increase exceeded the natural increase in population, indicating net immigration to the province.

### Marriages

During the 1930's, the marriage rate declined. A rise occurred during World War II, followed by a declining trend until 1962. The rate had been rising since 1962 until 1977 and 1978 which again showed a declining trend. The rate for 1982 decreased slightly over that of 1981.

**Marriage Rate per 1,000 Population, Canada and Provinces, 1982**

| | *Rate* |
|---|---|
| Canada | 7.6 |
| Newfoundland | 6.6 |
| Prince Edward Island | 7.0 |
| Nova Scotia | 7.6 |
| New Brunswick | 7.0 |
| Quebec | 5.9 |
| Ontario | 8.2 |
| Manitoba | 8.0 |
| Saskatchewan | 7.6 |
| Alberta | 9.6 |
| British Columbia | 8.5 |

### Divorces and Annulments

A new federal Divorce Act came into force on July 2, 1968. Because of the more liberal divorce laws, the number of divorces more than doubled from 385 in 1968 to 881 in 1969. The divorce rate increased from 40 per 100,000 population in 1968 to 92 in 1969.

In 1982 there were 1,815 divorces and annulments in Saskatchewan, with a rate of 185 per 100,000 population. This was a decrease over the 1981 rate of 199 per 100,000 population.

## Table 1. Summary of Vital Statistics, Saskatchewan, 1977-1982

| Item | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 |
|---|---|---|---|---|---|---|
| Population (1,000's) | 937 | 948 | 959 | 970 | 968 | 979 |
| Live births | 16,547 | 16,551 | 16,944 | 17,057 | 17,209 | 17,722 |
| Rate* | 17.7 | 17.5 | 17.7 | 17.6 | 17.8 | 18.1 |
| Deaths | 7,594 | 7,749 | 7,369 | 7,651 | 7,523 | 8,202 |
| Rate* | 8.1 | 8.2 | 7.7 | 7.8 | 7.8 | 8.4 |
| Natural increase | 8,953 | 8,802 | 9,575 | 9,406 | 9,686 | 9,520 |
| Rate* | 9.6 | 9.3 | 10.0 | 9.7 | 10.0 | 9.7 |
| Gross reproduction rate | 1.113 | 1.074 | 1.068 | 1.031 | 1.035 | 1.072 |
| Infant deaths | 249 | 236 | 194 | 193 | 203 | 186 |
| Rate† | 15.0 | 14.3 | 11.4 | 11.3 | 11.8 | 10.5 |
| Neonatal deaths | 156 | 151 | 121 | 102 | 112 | 113 |
| Rate† | 9 | 9 | 7 | 6 | 6.5 | 6.4 |
| Perinatal deaths | | | | | | |
| Based on 20+ weeks gestation period for stillbirths | 295 | 274 | 242 | 222 | 230 | 231 |
| Rate†† | 18 | 16 | 14 | 13 | 13 | 13 |
| Based on 28+ weeks gestation period for stillbirths | 258 | 234 | 212 | 186 | 196 | 195 |
| Rate†† | 16 | 14 | 12 | 11 | 11 | 11 |
| Stillbirths | | | | | | |
| 20+ weeks gestation | 163 | 140 | 138 | 130 | 137 | 139 |
| Rate† | 9.9 | 8.5 | 8.1 | 7.6 | 8.0 | 7.8 |
| 28+ weeks gestation | 126 | 99 | 108 | 91 | 103 | 103 |
| Rate† | 7.6 | 6.0 | 6.4 | 5.3 | 6.0 | 5.8 |
| Marriages | 7,238 | 7,135 | 7,261 | 7,561 | 7,325 | 7,491 |
| Rate* | 7.7 | 7.5 | 7.6 | 7.8 | 7.6 | 7.6 |
| Divorces and annulments | 1,474 | 1,428 | 1,528 | 1,836 | 1,932 | 1,815 |
| Rate** | 157 | 151 | 159 | 189 | 199 | 185 |

* *Rate per 1,000 population.*
† *Rate per 1,000 live births.*
†† *Rate per 1,000 total births (live births and stillbirths).*
** *Rate per 100,000 population.*

## Table 2. Natural Increase and Actual Increase, Saskatchewan, 1961-1982

| Year | Population | Live births | Deaths | Natural increase | | Estimated actual increase | |
|---|---|---|---|---|---|---|---|
| | | | | Number | Rate* | Number | Rate* |
| 1961 | 925,181 | 23,994 | 7,107 | 16,887 | 18.3 | 10,181 | 11.0 |
| 1962 | 930,000 | 23,341 | 7,004 | 16,337 | 17.6 | 4,819 | 5.2 |
| 1963 | 933,000 | 23,543 | 7,441 | 16,102 | 17.2 | 3,000 | 3.2 |
| 1964 | 942,000 | 22,682 | 7,373 | 15,309 | 16.3 | 9,000 | 9.6 |
| 1965 | 950,000 | 20,494 | 7,417 | 13,077 | 13.8 | 8,000 | 8.4 |
| 1966 | 955,344 | 19,037 | 7,427 | 11,610 | 12.2 | 5,344 | 5.6 |
| 1967 | 957,000 | 17,993 | 7,441 | 10,552 | 11.0 | 1,656 | 1.7 |
| 1968 | 960,000 | 18,197 | 7,498 | 10,699 | 11.1 | 3,000 | 3.1 |
| 1969 | 958,000 | 17,592 | 7,492 | 10,100 | 10.5 | −2,000 | −2.1 |
| 1970 | 941,000 | 16,443 | 7,472 | 8,971 | 9.5 | −17,000 | −18.1 |
| 1971 | 926,242 | 16,054 | 7,413 | 8,641 | 9.3 | −14,758 | −15.9 |
| 1972 | 914,000 | 15,473 | 7,590 | 7,883 | 8.6 | −12,242 | −13.4 |
| 1973 | 904,500 | 14,806 | 7,646 | 7,160 | 7.9 | −9,500 | −10.5 |
| 1974 | 899,700 | 15,118 | 7,814 | 7,304 | 8.1 | −4,800 | −5.3 |
| 1975 | 907,400 | 15,265 | 7,672 | 7,593 | 8.4 | 7,700 | 8.5 |
| 1976 | 921,325 | 15,969 | 7,809 | 8,160 | 8.9 | 13,925 | 15.1 |
| 1977 | 937,000 | 16,547 | 7,593 | 8,954 | 9.6 | 15,675 | 16.7 |
| 1978 | 948,400 | 16,551 | 7,749 | 8,802 | 9.3 | 11,400 | 12.0 |
| 1979 | 959,000 | 16,944 | 7,369 | 9,575 | 10.0 | 10,600 | 11.0 |
| 1980 | 970,100 | 17,057 | 7,651 | 9,406 | 9.7 | 11,100 | 11.4 |
| 1981 | 968,310 | 17,209 | 7,523 | 9,686 | 10.0 | −1,790 | −1.8 |
| 1982 | 979,100 | 17,722 | 8,202 | 9,520 | 9.7 | 10,790 | 11.0 |

* *Rate per 1,000 population.*

## Table 3. Live Births and Deaths by Place of Occurrence and Place of Residence, Saskatchewan, 1982*

| Item | Live births | Deaths |
|---|---|---|
| **OCCURRING IN SASKATCHEWAN** | **17,751** | **8,181** |
| Saskatchewan residents | 17,397 | 8,033 |
| Non-residents | 354 | 148 |
| — Canadian residents | 349 | 140 |
| — United States residents | 2 | 6 |
| — Other | 3 | 2 |
| **OCCURRING TO SASKATCHEWAN RESIDENTS** | **17,722** | **8,202** |
| In Saskatchewan | 17,397 | 8,033 |
| Elsewhere | | |
| — In Canada | 322 | 165 |
| — In United States | 3 | 4 |

* *Source — Statistics Canada.*

## Table 4. Population of Saskatchewan by Age Groups and Sex, 1980-1982*

| Age group | 1980 | | 1981 | | 1982 | |
|---|---|---|---|---|---|---|
| | Number | Per cent | Number | Per cent | Number | Per cent |
| | Both sexes | | | | | |
| All ages | 970,100 | 100.0 | 968,310 | 100.0 | 979,100 | 100.0 |
| 0-4 | 80,800 | 8.3 | 81,425 | 8.4 | 82,800 | 8.5 |
| 5-9 | 77,200 | 8.0 | 77,410 | 8.0 | 78,200 | 8.0 |
| 10-14 | 82,200 | 8.5 | 79,775 | 8.2 | 79,400 | 8.1 |
| 15-19 | 96,400 | 9.9 | 94,945 | 9.8 | 91,900 | 9.4 |
| 20-24 | 90,800 | 9.4 | 89,050 | 9.2 | 89,900 | 9.2 |
| 25-29 | 79,200 | 8.2 | 81,250 | 8.4 | 84,100 | 8.6 |
| 30-34 | 67,000 | 6.9 | 67,270 | 6.9 | 69,200 | 7.1 |
| 35-39 | 52,000 | 5.4 | 51,540 | 5.3 | 55,200 | 5.6 |
| 40-44 | 45,300 | 4.7 | 45,525 | 4.7 | 46,300 | 4.7 |
| 45-49 | 46,200 | 4.8 | 45,225 | 4.7 | 44,700 | 4.6 |
| 50-54 | 47,700 | 4.9 | 47,290 | 4.9 | 47,000 | 4.8 |
| 55-59 | 47,900 | 4.9 | 47,250 | 4.9 | 46,700 | 4.8 |
| 60-64 | 43,700 | 4.5 | 44,190 | 4.6 | 44,700 | 4.6 |
| 65-69 | 39,000 | 4.0 | 39,575 | 4.1 | 40,200 | 4.1 |
| 70-74 | 29,400 | 3.0 | 30,535 | 3.2 | 31,400 | 3.2 |
| 75-79 | 21,100 | 2.2 | 21,430 | 2.2 | 22,200 | 2.3 |
| 80-84 | 12,700 | 1.3 | 13,095 | 1.4 | 13,500 | 1.4 |
| 85-89 | 7,400 | 0.8 | 7,435 | 0.8 | 7,500 | 0.8 |
| 90+ | 4,200 | 0.4 | 4,100 | 0.4 | 4,200 | 0.4 |
| | Male | | | | | |
| All ages | 489,100 | 100.0 | 486,075 | 100.0 | 490,700 | 100.0 |
| 0-4 | 41,300 | 8.4 | 41,745 | 8.6 | 42,500 | 8.7 |
| 5-9 | 39,400 | 8.1 | 39,460 | 8.1 | 39,800 | 8.1 |
| 10-14 | 42,200 | 8.6 | 41,060 | 8.4 | 40,800 | 8.3 |
| 15-19 | 49,500 | 10.1 | 48,270 | 9.9 | 47,000 | 9.6 |
| 20-24 | 46,400 | 9.5 | 44,920 | 9.2 | 45,300 | 9.2 |
| 25-29 | 40,900 | 8.4 | 41,480 | 8.5 | 42,600 | 8.7 |
| 30-34 | 34,500 | 7.1 | 34,320 | 7.1 | 35,400 | 7.2 |
| 35-39 | 26,500 | 5.4 | 26,205 | 5.4 | 28,000 | 5.7 |
| 40-44 | 23,000 | 4.7 | 22,905 | 4.7 | 23,300 | 4.7 |
| 45-49 | 23,600 | 4.8 | 22,910 | 4.7 | 22,600 | 4.6 |
| 50-54 | 23,800 | 4.9 | 23,810 | 4.9 | 23,700 | 4.8 |
| 55-59 | 23,500 | 4.8 | 23,430 | 4.8 | 23,200 | 4.7 |
| 60-64 | 21,300 | 4.4 | 21,475 | 4.4 | 21,600 | 4.4 |
| 65-69 | 18,800 | 3.8 | 19,115 | 3.9 | 19,300 | 3.9 |
| 70-74 | 14,100 | 2.9 | 14,645 | 3.0 | 15,000 | 3.1 |
| 75-79 | 10,000 | 2.0 | 10,030 | 2.1 | 10,200 | 2.1 |
| 80-84 | 5,500 | 1.1 | 5,680 | 1.2 | 6,000 | 1.2 |
| 85-89 | 3,100 | 0.6 | 3,020 | 0.6 | 2,900 | 0.6 |
| 90+ | 1,700 | 0.3 | 1,600 | 0.3 | 1,600 | 0.3 |

## Table 4. Population of Saskatchewan by Age Groups and Sex, 1980-1982* (Continued)

| Age group | 1980 | | 1981 | | 1982 | |
|---|---|---|---|---|---|---|
| | Number | Per cent | Number | Per cent | Number | Per cent |
| | Female | | | | | |
| All ages | 481,100 | 100.0 | 482,235 | 100.0 | 488,400 | 100.0 |
| 0-4 | 39,400 | 8.2 | 39,680 | 8.2 | 40,300 | 8.3 |
| 5-9 | 37,700 | 7.8 | 37,950 | 7.9 | 38,400 | 7.9 |
| 10-14 | 40,000 | 8.3 | 38,715 | 8.0 | 38,600 | 7.9 |
| 15-19 | 46,900 | 9.7 | 46,680 | 9.7 | 45,000 | 9.2 |
| 20-24 | 44,400 | 9.2 | 44,130 | 9.2 | 44,700 | 9.2 |
| 25-29 | 38,300 | 8.0 | 39,775 | 8.2 | 41,500 | 8.5 |
| 30-34 | 32,500 | 6.8 | 32,950 | 6.8 | 33,800 | 6.9 |
| 35-39 | 25,500 | 5.3 | 25,335 | 5.3 | 27,100 | 5.5 |
| 40-44 | 22,300 | 4.6 | 22,620 | 4.7 | 23,000 | 4.7 |
| 45-49 | 22,700 | 4.7 | 22,310 | 4.6 | 22,100 | 4.5 |
| 50-54 | 23,900 | 5.0 | 23,475 | 4.9 | 23,300 | 4.8 |
| 55-59 | 24,400 | 5.1 | 23,820 | 4.9 | 23,500 | 4.8 |
| 60-64 | 22,400 | 4.7 | 22,715 | 4.7 | 23,100 | 4.7 |
| 65-69 | 20,200 | 4.2 | 20,460 | 4.2 | 20,900 | 4.3 |
| 70-74 | 15,300 | 3.2 | 15,890 | 3.3 | 16,500 | 3.4 |
| 75-79 | 11,100 | 2.3 | 11,405 | 2.4 | 12,000 | 2.5 |
| 80-84 | 7,300 | 1.5 | 7,420 | 1.5 | 7,500 | 1.5 |
| 85-89 | 4,400 | 0.9 | 4,410 | 0.9 | 4,600 | 0.9 |
| 90+ | 2,600 | 0.5 | 2,505 | 0.5 | 2,600 | 0.5 |

* *Columns may not add to totals due to rounding error.*

*Source — 1980, 1981 and 1982: Statistics Canada Postcensal Population Estimates, Publication No. 91-202 and 91-210*

## Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1982

| Place of residence | Population* | Live births | Deaths | Infant deaths | Neonatal deaths | Stillbirths | Perinatal deaths | Marriages |
|---|---|---|---|---|---|---|---|---|
| Total for Province | 968,310 | 17,722 | 8,202 | 186 | 113 | 139 | 231 | 7,491 |
| Cities | 462,093 | 8,584 | 3,823 | 99 | 56 | 73 | 120 | 4,480 |
| Estevan | 9,174 | 196 | 77 | 5 | 3 | 2 | 5 | 86 |
| Lloydminster (Sask.) | 6,034 | 178 | 39 | 1 | 1 | 1 | 2 | 37 |
| Melfort | 6,010 | 114 | 90 | 2 | — | 1 | 1 | 77 |
| Melville | 5,092 | 85 | 67 | — | — | 1 | 1 | 53 |
| Moose Jaw | 33,941 | 584 | 392 | 9 | 7 | 2 | 9 | 334 |
| North Battleford | 14,030 | 289 | 120 | 4 | 1 | 1 | 2 | 172 |
| Prince Albert | 31,380 | 594 | 293 | 5 | 2 | 1 | 2 | 333 |
| Regina | 162,613 | 3,116 | 1,183 | 37 | 21 | 27 | 42 | 1,410 |
| Saskatoon | 154,210 | 2,809 | 1,093 | 32 | 19 | 31 | 48 | 1,467 |
| Swift Current | 14,747 | 224 | 169 | 2 | 1 | 2 | 3 | 220 |
| Weyburn | 9,523 | 134 | 102 | — | — | 2 | 2 | 106 |
| Yorkton | 15,339 | 261 | 198 | 2 | 1 | 2 | 3 | 185 |
| Towns | 110,321 | 2,222 | 1,557 | 22 | 17 | 13 | 28 | 1,139 |
| Assiniboia | 2,924 | 58 | 61 | — | — | — | — | 30 |
| Battleford | 3,565 | 79 | 37 | 3 | — | — | — | 27 |
| Biggar | 2,561 | 44 | 25 | 1 | 1 | — | 1 | 34 |
| Canora | 2,667 | 33 | 69 | — | — | — | — | 25 |
| Carlyle | 1,074 | 27 | 20 | — | — | — | — | 9 |
| Carnduff | 1,043 | 15 | 25 | — | — | — | — | 4 |
| Carrot River | 1,169 | 22 | 18 | — | — | — | — | 21 |
| Coronach | 1,032 | 38 | 5 | — | — | — | — | 7 |
| Creighton | 1,636 | 21 | 8 | — | — | — | — | 4 |
| Dalmeny | 1,064 | 33 | 4 | — | — | 2 | 2 | 5 |
| Davidson | 1,166 | 17 | 19 | — | — | — | — | 16 |
| Esterhazy | 3,065 | 53 | 40 | 1 | 1 | — | 1 | 18 |
| Eston | 1,413 | 24 | 14 | 1 | 1 | — | 1 | 17 |
| Foam Lake | 1,452 | 25 | 23 | — | — | — | — | 12 |
| Fort Qu'Appelle | 1,827 | 40 | 29 | — | — | — | — | 12 |
| Gravelbourg | 1,338 | 24 | 20 | — | — | — | — | 26 |
| Grenfell | 1,307 | 28 | 19 | — | — | 2 | 2 | 19 |
| Gull Lake | 1,095 | 29 | 32 | 1 | 1 | — | 1 | 15 |
| Herbert | 1,019 | 13 | 33 | 1 | 1 | 1 | 1 | 15 |
| Hudson Bay | 2,361 | 75 | 20 | — | — | — | — | 23 |
| Humboldt | 4,705 | 100 | 66 | 1 | 1 | 1 | 2 | 44 |
| Indian Head | 1,889 | 31 | 30 | — | — | — | — | 8 |
| Kamsack | 2,688 | 40 | 65 | — | — | — | — | 30 |
| Kelvington | 1,054 | 30 | 13 | 1 | 1 | — | 1 | 5 |
| Kerrobert | 1,141 | 26 | 25 | 1 | 1 | — | — | 10 |
| Kindersley | 3,969 | 81 | 49 | 1 | 1 | 1 | 2 | 53 |
| Kipling | 1,016 | 20 | 17 | — | — | — | — | 7 |
| La Ronge | 2,579 | 131 | 14 | 2 | 2 | — | 2 | 18 |
| Langenburg | 1,324 | 23 | 23 | — | — | — | — | 22 |
| Langham | 1,151 | 22 | 15 | 1 | 1 | — | 1 | 2 |
| Lanigan | 1,732 | 39 | 12 | — | — | — | — | 20 |
| Leader | 1,108 | 22 | 20 | 1 | — | — | — | 23 |
| Lumsden | 1,303 | 36 | 7 | — | — | — | — | 13 |
| Maidstone | 1,001 | 23 | 17 | 1 | 1 | — | 1 | 11 |
| Maple Creek | 2,470 | 34 | 38 | — | — | — | — | 18 |
| Martensville | 1,966 | 49 | 1 | — | — | 1 | 1 | 4 |
| Meadow Lake | 3,857 | 93 | 39 | — | — | 1 | 1 | 41 |
| Moosomin | 2,579 | 29 | 36 | — | — | — | — | 34 |

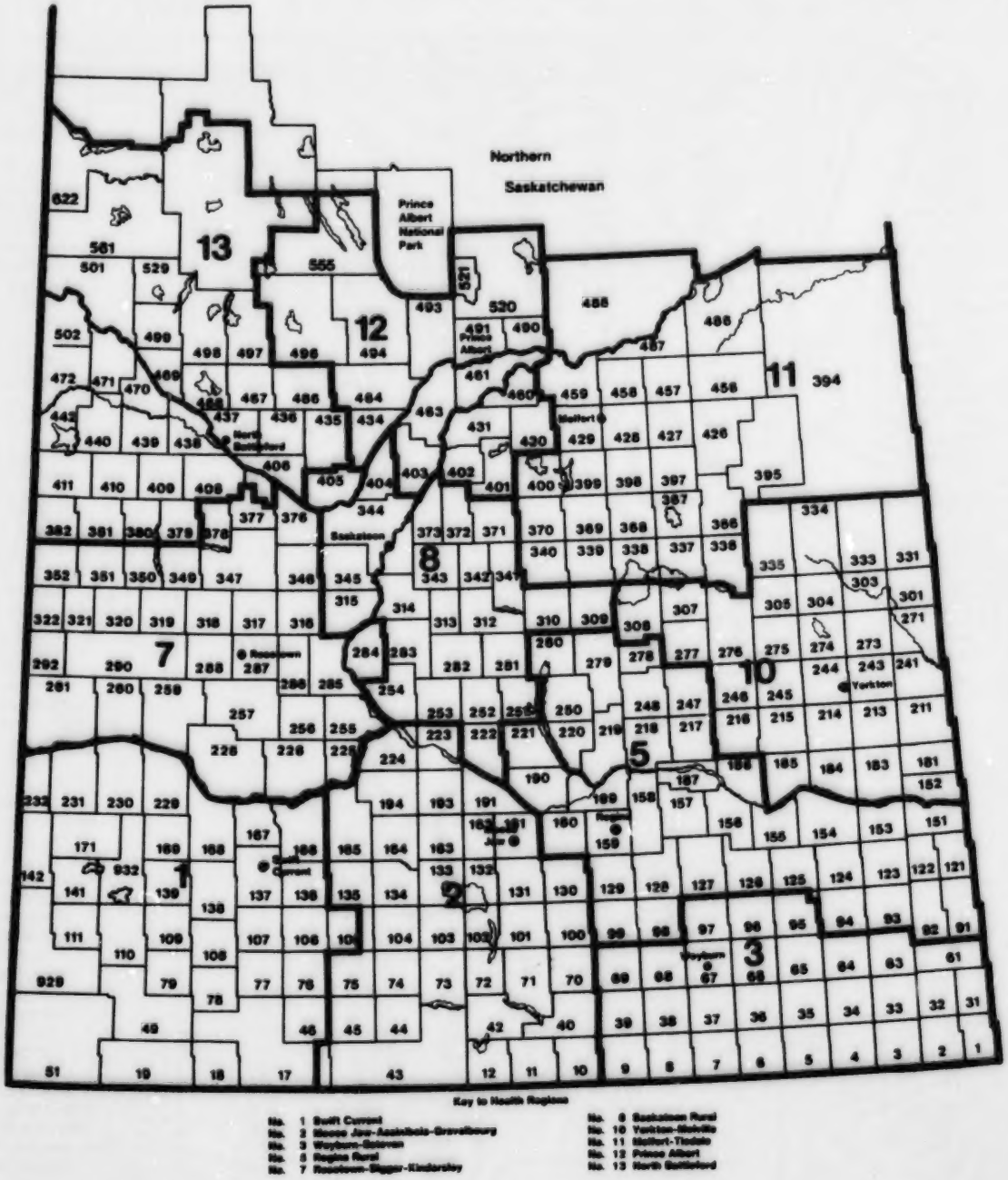
## Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1982 (Continued)

| Place of residence | Population* | Live births | Deaths | Infant deaths | Neonatal deaths | Stillbirths | Perinatal deaths | Marriages |
|---|---|---|---|---|---|---|---|---|
| Nipawin | 4,376 | 69 | 54 | 1 | — | 1 | 1 | 66 |
| Outlook | 1,976 | 31 | 35 | — | — | — | — | 23 |
| Oxbow | 1,191 | 19 | 19 | — | — | — | — | 17 |
| Pilot Butte | 1,255 | 31 | 7 | — | — | — | — | 2 |
| Preeceville | 1,243 | 18 | 27 | — | — | — | — | 21 |
| Radville | 1,012 | 16 | 16 | — | — | 1 | 1 | 15 |
| Rosetown | 2,664 | 50 | 30 | — | — | — | — | 42 |
| Rosthern | 1,609 | 34 | 28 | — | — | — | — | 17 |
| Shaunavon | 2,112 | 32 | 36 | — | — | — | — | 25 |
| Shellbrook | 1,228 | 28 | 18 | 1 | 1 | — | 1 | 15 |
| Tisdale | 3,107 | 58 | 56 | 1 | 1 | — | 1 | 44 |
| Unity | 2,408 | 43 | 34 | — | — | 1 | 1 | 39 |
| Uranium City | 2,748 | 39 | 5 | — | — | — | — | 8 |
| Wadena | 1,495 | 30 | 31 | — | — | — | — | 13 |
| Wakaw | 1,030 | 19 | 20 | — | — | 1 | 1 | 6 |
| Warman | 2,076 | 60 | 10 | — | — | — | — | 14 |
| Watrous | 1,830 | 32 | 30 | 2 | 2 | — | 2 | 13 |
| Whitewood | 1,003 | 21 | 16 | — | — | — | — | 11 |
| Wilkie | 1,501 | 30 | 28 | — | — | — | — | 17 |
| Wynyard | 2,147 | 35 | 49 | — | — | — | — | 29 |

* *Population at the time of the 1981 census.*

# Health Regions

## Figure 1. Health Region Map



Since Saskatchewan has no fixed political divisions corresponding to the counties of eastern Canada, census divisions have been used in the past for the presentation of statistical data for areas smaller than the province. These were designed to permit future subdivisions, if necessitated by population increases, without destroying comparability of information collected by earlier census counts.

In the meantime, certain demographic, economic and social patterns had begun to emerge in the province. For general public health purposes, vital statistics must be presented in a form which can be related to these patterns. With this in mind, commencing in 1954, the tabulations of vital statistics by health statistical areas was undertaken, in close collaboration with the Dominion Bureau of Statistics. These areas represented territorial divisions of the province, each one of which is served by one or two dominant urban centres. As of 1974, vital statistics are presented by Health Regions. The cities of Regina and Saskatoon, with their own health departments, and *Northern Saskatchewan* form separate reporting areas.

The presentation of data on births, deaths and marriages according to health regions enables medical health officers, and others engaged in administrative or epidemiological tasks, to relate these and all other relevant data in a meaningful way.

**Births by Health Region**

Birth rates for health regions in 1982 ranged from a high 29.3 per 1,000 population in the sparsely populated *Northern Saskatchewan* area to a low 13.5 in the Yorkton-Melville region. The Northern areas (North Battleford, Prince Albert and the *Northern Health Services*) and the largest cities (Regina and Saskatoon) have shown consistently high birth rates over the years with *Northern Saskatchewan* being the highest.

These high birth rates coupled with relatively low death rates have given the northern areas and the largest cities, rates of natural increase higher than other areas in the province.

**Deaths by Health Region**

In 1982, the Yorkton-Melville region had the highest death rate (10.8 per 1,000 population). *Northern Saskatchewan* had the lowest rate (4.4 per 1,000 population). Deaths and rates by health regions are found in Table 7, page 22.

## Table 6. Population of Health Regions, Saskatchewan, 1982

| Health Regions | Population |
|---|---|
| **Total for Province** | 1,000,667 |
| No. 1 Swift Current | 48,484 |
| No. 2 Moose Jaw-Assiniboia-Gravelbourg | 69,060 |
| No. 3 Weyburn-Estevan | 50,602 |
| No. 5 Regina Rural | 73,291 |
| No. 7 Rosetown-Biggar-Kindersley | 40,907 |
| No. 8 Saskatoon Rural | 47,573 |
| No. 10 Yorkton-Melville | 83,332 |
| No. 11 Melfort-Tisdale | 73,991 |
| No. 12 Prince Albert | 78,375 |
| No. 13 North Battleford | 80,110 |
| Regina City | 165,952 |
| Saskatoon City | 159,581 |
| Northern Saskatchewan | 29,409 |

Source: SHSP Covered Population

## Table 7. Summary of Vital Statistics for Health Regions, Saskatchewan Residents, 1982

| Health regions | Live births | | Deaths | | Natural increase | | Marriages | |
|---|---|---|---|---|---|---|---|---|
| | Number | Rate* | Number | Rate* | Number | Rate* | Number | Rate* |
| Total for province | 17,722 | 17.7 | 8,202 | 8.2 | 9,520 | 9.5 | 7,491 | 7.5 |
| No. 1 Swift Current | 754 | 15.6 | 433 | 8.9 | 321 | 6.6 | 406 | 8.4 |
| No. 2 Moose Jaw-Assiniboia-Gravelbourg | 1,182 | 17.1 | 701 | 10.2 | 481 | 7.0 | 560 | 8.1 |
| No. 3 Weyburn-Estevan | 811 | 16.0 | 464 | 9.2 | 347 | 6.9 | 349 | 6.9 |
| No. 5 Regina Rural | 1,154 | 15.7 | 625 | 8.5 | 529 | 7.2 | 386 | 5.3 |
| No. 7 Rosetown-Biggar-Kindersley | 788 | 19.3 | 382 | 9.3 | 406 | 9.9 | 295 | 7.2 |
| No. 8 Saskatoon Rural | 872 | 18.3 | 282 | 5.9 | 590 | 12.4 | 244 | 5.1 |
| No. 10 Yorkton-Melville | 1,124 | 13.5 | 900 | 10.8 | 224 | 2.7 | 558 | 6.7 |
| No. 11 Melfort-Tisdale | 1,225 | 16.6 | 707 | 9.6 | 518 | 7.0 | 562 | 7.6 |
| No. 12 Prince Albert | 1,381 | 17.6 | 675 | 8.6 | 706 | 9.0 | 576 | 7.3 |
| No. 13 North Battleford | 1,643 | 20.5 | 627 | 7.8 | 1,016 | 12.7 | 543 | 6.8 |
| City of Regina | 3,116 | 18.8 | 1,183 | 7.1 | 1,933 | 11.6 | 1,410 | 8.5 |
| City or Saskatoon | 2,609 | 17.6 | 1,093 | 6.8 | 1,716 | 10.8 | 1,467 | 9.2 |
| Northern Saskatchewan | 863 | 29.3 | 130 | 4.4 | 733 | 24.9 | 135 | 4.6 |

| Health regions | Infant deaths | | Neonatal deaths | | Stillbirths** | | Perinatal deaths** | |
|---|---|---|---|---|---|---|---|---|
| | Number | Rate† | Number | Rate† | Number | Rate† | Number | Rate†† |
| Total for province | 186 | 10.5 | 113 | 6.4 | 139 | 7.8 | 231 | 12.9 |
| No. 1 Swift Current | 9 | 11.9 | 6 | 8.0 | 2 | 2.7 | 7 | 9.3 |
| No. 2 Moose Jaw-Assiniboia-Gravelbourg | 14 | 11.8 | 10 | 8.5 | 6 | 5.1 | 15 | 12.6 |
| No. 3 Weyburn-Estevan | 5 | 6.2 | 3 | 3.7 | 7 | 8.6 | 10 | 12.2 |
| No. 5 Regina Rural | 9 | 7.8 | 8 | 6.9 | 14 | 12.1 | 22 | 18.8 |
| No. 7 Rosetown-Biggar-Kindersley | 7 | 8.9 | 6 | 7.6 | 4 | 5.1 | 7 | 8.8 |
| No. 8 Saskatoon Rural | 4 | 4.6 | 3 | 3.4 | 8 | 9.2 | 11 | 12.5 |
| No. 10 Yorkton-Melville | 5 | 4.4 | 2 | 1.8 | 7 | 6.2 | 9 | 8.0 |
| No. 11 Melfort-Tisdale | 14 | 11.4 | 6 | 4.9 | 5 | 4.1 | 9 | 7.3 |
| No. 12 Prince Albert | 17 | 12.3 | 10 | 7.2 | 8 | 5.8 | 15 | 10.8 |
| No. 13 North Battleford | 20 | 12.2 | 10 | 6.1 | 13 | 7.9 | 23 | 13.9 |
| City of Regina | 37 | 11.9 | 21 | 6.7 | 27 | 8.7 | 42 | 13.4 |
| City of Saskatoon | 32 | 11.4 | 19 | 6.8 | 31 | 11.0 | 48 | 16.9 |
| Northern Saskatchewan | 13 | 15.1 | 9 | 10.4 | 7 | 8.1 | 13 | 14.9 |

* *Rate per 1,000 live population — Saskatchewan Hospital Services Plan Covered Population*
† *Rate per 1,000 live births.*
** *Based on 20+ weeks gestation.*
†† *Rate per 1,000 total births.*

# Table 8. Selected Leading Causes of Death by Residence, Saskatchewan, 1982

| Place of residence | Cause of death | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | All deaths | Heart diseases (A128-A148) | Malignant neoplasms (A37-A86) | Cerebro-vascular disease (A149-A155) | Accidents (AE234-AE263) | Pneumonia (A163-A167) | Certain causes of perinatal mortality (A229-A231) | Suicide and self-inflicted injury (A264-A270) | Other |
| Total for province | 8,202 | 2,726 | 1,792 | 732 | 534 | 377 | 82 | 171 | 1,788 |
| Cities* (with more than 5,000 population) | 3,824 | 1,243 | 832 | 343 | 207 | 171 | 44 | 77 | 907 |
| Estevan (3) | 77 | 25 | 16 | 9 | 2 | 3 | 3 | 1 | 18 |
| Melfort (11) | 91 | 26 | 15 | 16 | 2 | 5 | – | 1 | 26 |
| Melville (10) | 67 | 15 | 17 | 5 | 3 | 6 | – | – | 21 |
| Moose Jaw (2) | 392 | 136 | 94 | 30 | 21 | 13 | 6 | 6 | 86 |
| North Battleford (13) | 120 | 36 | 30 | 14 | 11 | 3 | 1 | 2 | 23 |
| Prince Albert (12) | 293 | 102 | 56 | 27 | 18 | 10 | 3 | 5 | 72 |
| Regina | 1,183 | 370 | 262 | 107 | 65 | 53 | 17 | 36 | 273 |
| Saskatoon | 1,093 | 356 | 233 | 84 | 62 | 51 | 12 | 21 | 274 |
| Swift Current (1) | 169 | 62 | 28 | 15 | 9 | 8 | 1 | – | 6 |
| Weyburn (3) | 102 | 32 | 28 | 11 | 1 | 4 | – | 1 | 25 |
| Yorkton (10) | 198 | 71 | 43 | 23 | 9 | 13 | – | 3 | 36 |
| Lloydminster (Sask.) (13) | 39 | 12 | 10 | 2 | 4 | 2 | 1 | 1 | 7 |
| Health regions (excluding cities) | 4,378 | 1,483 | 960 | 389 | 327 | 206 | 38 | 94 | 881 |
| No. 1 Swift Current | 264 | 83 | 52 | 25 | 19 | 13 | 3 | 8 | 61 |
| No. 2 Moose Jaw-Assiniboia-Gravelbourg | 309 | 112 | 60 | 17 | 23 | 20 | 3 | 5 | 69 |
| No. 3 Weyburn-Estevan | 285 | 101 | 68 | 32 | 15 | 13 | – | 5 | 51 |
| No. 5 Regina Rural | 625 | 216 | 168 | 38 | 35 | 34 | 6 | 15 | 113 |
| No. 7 Rosetown-Biggar-Kindersley | 382 | 131 | 68 | 37 | 33 | 9 | 3 | 9 | 92 |
| No. 8 Saskatoon Rural | 282 | 99 | 64 | 32 | 18 | 11 | 3 | 10 | 45 |
| No. 10 Yorkton-Melville | 635 | 220 | 144 | 63 | 35 | 36 | 1 | 12 | 124 |
| No. 11 Melfort-Tisdale | 616 | 206 | 145 | 59 | 39 | 26 | 2 | 5 | 134 |
| No. 12 Prince Albert | 382 | 144 | 76 | 36 | 37 | 12 | 7 | 10 | 60 |
| No. 13 North Battleford | 468 | 147 | 95 | 41 | 51 | 25 | 5 | 10 | 94 |
| Northern Saskatchewan | 130 | 24 | 20 | 9 | 22 | 7 | 5 | 5 | 38 |

* *Health region number is given in parenthesis.*

# Births

### Birth Rate

There were 17,722 live births to Saskatchewan residents in 1982, resulting in a birth rate of 18.1 per 1,000 population.

### Multiple Births

Multiple births in 1982 included 153 sets of twins and three sets of triplets. Two sets of twins included one stillborn infant and three sets of twins were both stillborn. One set of triplets were all stillborn.

### Births in Hospitals

In 1982, 43 births did not occur in hospitals.

### Births by Sex

Continuing a long-term trend, there were more male live births than female live births in 1982, numbering 8,967 and 8,755 respectively, a ratio of 1,024 male to 1,000 female live births.

| Male Live Births per 1,000 Female Live Births | |
|---|---|
| 1972 | 1,041 |
| 1973 | 1,044 |
| 1974 | 1,038 |
| 1975 | 1,024 |
| 1976 | 1,044 |
| 1977 | 1,055 |
| 1978 | 1,053 |
| 1979 | 1,052 |
| 1980 | 1,080 |
| 1981 | 1,070 |
| 1982 | 1,024 |

### Births Occurring to Single Mothers

There was an increase in the number of babies born to single mothers in 1982, numbering 3,227 compared to 3,089 in 1981. The single parent live births increased to 18.2 per cent of all births.

The average age of unmarried mothers was lower (21.2) than that of married mothers (26.0).

### Stillbirths

The minimum gestational period for compulsory registration of foetal deaths was lowered from 28 weeks to 20 weeks in 1961 due to a change in the definition of stillbirth. Using this definition, there were 139 stillbirths in the province in 1982, giving a rate of 7.8 per 1,000 live births. Stillbirths occurred most frequently in the gestation periods of 20-27, 33-37 and 38-40 weeks. Males accounted for 51.1 per cent of total stillbirths. The average age of mothers bearing stillborn children was 26.2 years. The average age of mothers whose children were liveborn was 25.0 years.

### Fertility Rates

The crude birth rate, i.e. the rate per 1,000 total population, is an inadequate measure of the rate at which the population is replacing itself because it is so much affected by changes in the age and sex composition of the population.

Almost all children born each year are to women between the ages of 15 and 49 — with very small numbers above and below these ages. Variations in the proportion of women of these ages to the total population will cause variations in the crude birth rates of different countries or even regions within a country or a province, even though the actual rates of reproduction or fertility of the women in those age groups are identical. It is therefore conventional to calculate an age specific fertility rate, i.e. an individual birth rate per 1,000 women in each of these reproductive age periods. The sum of these rates multiplied by five represents the "total fertility", that is, the number of births which 1,000 women would have throughout their lifetime, assuming no mortality, if they experienced at each age the fertility in effect during the period concerned.

From this in turn can be calculated a gross reproduction rate, which for a given year represents the average number of female infants that would be born to each woman who lived to reach the age of 50 if the fertility rates of a given year remained unchanged. When the gross reproduction rate falls below one, the women in the reproductive period of life are not having enough children to replace themselves, even if all their children lived to maturity.

**Age Specific Fertility Rates, Saskatchewan, 1982**

| *Age groups* | *Rate per 1,000* |
|---|---|
| 15-19 | 49.6 |
| 20-24 | 138.7 |
| 25-29 | 148.6 |
| 30-34 | 73.0 |
| 35-39 | 20.3 |
| 40-44 | 3.6 |
| 45-49 | 0.2 |
| Total Fertility | 2,170.0 |
| Gross Reproduction Rate | 1.072 |

### Age of Parents

The average age of parents is determined by the interaction of several factors, the most important of which are age at marriage, the length of time between marriage and the arrival of the first child, and the spacing of additional children during the mother's reproductive period. The decreasing average age of parents has been caused by the combination of early marriage, closer spacing of children in young families, limiting of family size and limiting of reproduction to the early years of marriage.

In 1982, the average age of fathers was 28.3 years, of married mothers 26.0 years, and of unmarried mothers 21.2 years.

### Birth Order

Thirty-eight per cent of all live births were first children and 68 per cent of the mothers of these first-born were under 25 years of age. Seven per cent of first-born infants were to mothers over 30 years of age. First, second, and third children made up 89 per cent of total births, and 52 per cent of these mothers were under 25 years of age. Average age of mothers for first-born infants for 1982 was 22.7 years.

### Birth Weight

Birth weight information provides the number of immaturely-developed live deliveries, those which are exposed to a greater risk of death than a "mature" infant. The recommendations of the World Health Organization specify that infants of 2500 grams or less at birth (approximately 5 pounds, 8 ounces) be considered "immature".

The average weight of all infants born in 1982 was 3422.0 grams. There is a direct relationship between the age of mother and birth weight. The proportion of "immature" births by age of mother reveals that a mother has a greater chance of delivering an "immature" foetus at less than 20 years or over 40 years of age than at any other age in the reproductive period. This data is illustrated on page 28, table no. 13.

There is also a relationship between the weight of the foetus and period of gestation. Of the 3.1 per cent of children born in 1982 at less than 36 weeks gestation, 77.4 per cent were "immature". Of those born in the period of 36 to 39 weeks, 6.8 per cent were classified as "immature" and of those born after 40 weeks gestation only 1.3 per cent weighed 2500 grams or less. This data is illustrated on page 29, table no. 14.

## Table 9. Stillbirths by Sex and Period of Gestation, Saskatchewan, 1982

| Period of gestation (weeks) | Number | | | Per cent distribution | | |
|---|---|---|---|---|---|---|
| | Total | Male | Female | Total | Male | Female |
| Total | 139 | 71 | 68 | 100.0 | 51.1 | 48.9 |
| 20-27 | 36 | 18 | 18 | 25.9 | 50.0 | 50.0 |
| 28-32 | 25 | 12 | 13 | 18.0 | 48.0 | 52.0 |
| 33-37 | 34 | 17 | 17 | 24.5 | 50.0 | 50.0 |
| 38-40 | 34 | 19 | 15 | 24.5 | 55.9 | 44.1 |
| 41+ | 10 | 5 | 5 | 7.2 | 50.0 | 50.0 |

## Table 10. Live Births and Stillbirths by Age of Mother, Saskatchewan, 1982*

| Age group | All births | | Type of birth | | | |
|---|---|---|---|---|---|---|
| | | | Live births | | Stillbirths | |
| | Number | Per cent | Number | Per cent | Number | Per cent |
| Total | 17,861 | 100.0 | 17,722 | 100.0 | 139 | 100.0 |
| Under 20 | 2,273 | 12.7 | 2,255 | 12.7 | 18 | 12.9 |
| 20-24 | 6,238 | 34.9 | 6,195 | 35.0 | 43 | 30.9 |
| 25-29 | 6,217 | 34.8 | 6,168 | 34.8 | 49 | 35.3 |
| 30-34 | 2,481 | 13.9 | 2,468 | 13.9 | 13 | 9.4 |
| 35-39 | 561 | 3.1 | 550 | 3.1 | 11 | 7.9 |
| 40-44 | 87 | 0.5 | 82 | 0.5 | 5 | 3.6 |
| 45-49 | 4 | ** | 4 | ** | — | — |
| Average age | | 25.1 | | 25.0 | | 26.2 |
| Median age | | 25.0 | | 25.0 | | 26.0 |

* *This table shows the number of births and stillbirths occuring to mothers in these age groups, and not the actual number of mothers in each group, as not all births were single births.*

** *Less than 0.1 per cent.*

## Table 11. Live Births by Age of Parent, Saskatchewan, 1982*

| Age group | Fathers | | Married mothers | | Unmarried mothers | |
|---|---|---|---|---|---|---|
| | Number | Per cent | Number | Per cent | Number | Per cent |
| Total | 17,722 | 100.0 | 14,311 | 100.0 | 3,411 | 100.0 |
| Under 20 | 2,682 | 15.1 | 733 | 5.1 | 1,523 | 44.6 |
| 20-24 | 3,372 | 19.0 | 4,984 | 34.8 | 1,211 | 35.5 |
| 25-29 | 6,141 | 34.7 | 5,708 | 39.9 | 459 | 13.5 |
| 30-34 | 3,715 | 21.0 | 2,308 | 16.1 | 160 | 4.7 |
| 35-39 | 1,268 | 7.2 | 499 | 3.5 | 51 | 1.5 |
| 40-44 | 342 | 1.9 | 75 | 0.5 | 7 | 0.2 |
| 45-49 | 136 | 0.8 | 4 | ** | — | — |
| 50† | 66 | 0.4 | — | — | — | — |
| Average age† | | 28.3 | | 26.0 | | 21.2 |
| Median age† | | 28.0 | | 26.0 | | 20.0 |

* *This table shows the number of live births occuring to parents in these age groups, and not the actual number of parents in each age group, as not all births were single births.*

† *Average and median ages were calculated using single year age groups.*

** *Less than 0.05 per cent.*

## Table 12. Live Births by Age of Mother and Order of Birth, Saskatchewan, 1982

| Order of birth | Age of mother | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total | Under 15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Not stated |
| Total | 17,722 | 20 | 2,235 | 6,195 | 6,168 | 2,468 | 550 | 82 | 4 | — |
| 1st child | 6,748 | 20 | 1,727 | 2,820 | 1,721 | 397 | 56 | 6 | 1 | — |
| 2nd child | 5,740 | — | 432 | 2,214 | 2,278 | 681 | 125 | 9 | 1 | — |
| 3rd child | 3,214 | — | 63 | 852 | 1,434 | 713 | 135 | 17 | — | — |
| 4th child | 1,194 | — | 12 | 226 | 494 | 378 | 77 | 7 | — | — |
| 5th child | 433 | — | — | 60 | 145 | 162 | 58 | 7 | 1 | — |
| 6th child | 189 | — | 1 | 20 | 56 | 64 | 38 | 10 | — | — |
| 7th child | 90 | — | — | 3 | 31 | 28 | 22 | 6 | — | — |
| 8th child | 38 | — | — | — | 7 | 15 | 11 | 5 | — | — |
| 9th child | 32 | — | — | — | — | 14 | 14 | 4 | — | — |
| 10th child | 14 | — | — | — | 1 | 8 | 3 | 2 | — | — |
| 11th child | 10 | — | — | — | — | 3 | 4 | 3 | — | — |
| 12th child | 9 | — | — | — | — | 4 | 1 | 4 | — | — |
| 13th child | 5 | — | — | — | — | 1 | 2 | 2 | — | — |
| 14th child | 4 | — | — | — | — | — | 3 | — | 1 | — |
| 16th child | 1 | — | — | — | — | — | 1 | — | — | — |
| Not stated | 1 | — | — | — | 1 | — | — | — | — | — |

## Table 13. Live Births by Age of Mother and Birth Weight, Saskatchewan, 1982

| Birth weight | | | Age of mother | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Gram intervals | Equivalent in lbs./oz. | Total | -20 years | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Not stated |
| Total | | 17,722 | 2,255 | 6,195 | 6,168 | 2,468 | 550 | 82 | 4 | — |
| 500 or less | 1/1 or less | 20 | — | 7 | 11 | — | 2 | — | — | — |
| 501-750 | 1/2-1/10 | 19 | 2 | 7 | 8 | 1 | — | 1 | — | — |
| 751-1,000 | 1/11-2/3 | 42 | 8 | 15 | 8 | 8 | 3 | — | — | — |
| 1,001-1,250 | 2/4-2/12 | 29 | 7 | 11 | 5 | 4 | 2 | — | — | — |
| 1,251-1,500 | 2/13-3/4 | 44 | 9 | 18 | 13 | 4 | — | — | — | — |
| 1,501-1,750 | 3/5-3/13 | 62 | 10 | 22 | 25 | 4 | 1 | — | — | — |
| 1,751-2,000 | 3/14-4/6 | 93 | 11 | 37 | 35 | 6 | 2 | 2 | — | — |
| 2,001-2,250 | 4/7-4/15 | 185 | 33 | 60 | 53 | 28 | 8 | 3 | — | — |
| 2,251-2,500 | 5/0-5/8 | 436 | 67 | 154 | 147 | 48 | 17 | 3 | — | — |
| Total 2,500 or less | 5/8 or less | 930 | 147 | 331 | 305 | 103 | 35 | 9 | — | — |
| 2,501-2,750 | 5/9-6/1 | 797 | 105 | 310 | 249 | 107 | 23 | 3 | — | — |
| 2,751-3,000 | 6/2-6/9 | 1,629 | 220 | 629 | 500 | 213 | 60 | 7 | — | — |
| 3,001-3,250 | 6/10-7/2 | 2,765 | 370 | 1,031 | 949 | 336 | 68 | 9 | 2 | — |
| 3,251-3,500 | 7/3-7/11 | 3,551 | 470 | 1,255 | 1,249 | 475 | 88 | 14 | — | — |
| 3,501-3,750 | 7/12-8/4 | 3,317 | 416 | 1,163 | 1,150 | 457 | 113 | 16 | 2 | — |
| 3,751-4,000 | 8/5-8/13 | 2,457 | 292 | 758 | 920 | 394 | 79 | 14 | — | — |
| 4,001-4,250 | 8/14-9/6 | 1,254 | 138 | 412 | 448 | 208 | 43 | 5 | — | — |
| 4,251-4,500 | 9/7-9/14 | 659 | 68 | 191 | 261 | 110 | 26 | 3 | — | — |
| 4,501-4,750 | 9/15-10/7 | 233 | 20 | 76 | 89 | 36 | 10 | 2 | — | — |
| 4,751-5,000 | 10/8-11/0 | 88 | 7 | 29 | 28 | 21 | 3 | — | — | — |
| 5,001-5,250 | 11/1-11/9 | 26 | — | 7 | 13 | 5 | 1 | — | — | — |
| 5,251-5,500 | 11/10-12/2 | 11 | — | 2 | 5 | 3 | 1 | — | — | — |
| 5,501-5,750 | 12/3-12/10 | 2 | — | 1 | 1 | — | — | — | — | — |
| Total 2,501+ | over 5/8 | 16,789 | 2,106 | 5,864 | 5,862 | 2,365 | 515 | 73 | 4 | — |
| Not stated | | 3 | 2 | — | 1 | — | — | — | — | — |
| Per cent of total | | 100.0 | 12.7 | 35.0 | 34.8 | 13.9 | 3.1 | 0.5 | * | — |
| Per cent 2,500 grams or less | | 5.2 | 6.5 | 5.3 | 4.9 | 4.2 | 6.4 | 11.0 | — | — |
| Average weight (grams) | | 3,422.0 | 3,367.3 | 3,390.2 | 3,448.0 | 3,485.3 | 3,437.2 | 3,381.0 | 3,434.0 | — |
| Median weight (grams) | | 3,450.0 | 3,402.0 | 3,402.0 | 3,460.0 | 3,505.0 | 3,512.5 | 3,488.5 | 3,458.0 | — |

** Less than 0.05 per cent.*

# Table 14. Live Births by Period of Gestation and Birth Weight, Saskatchewan, 1982

| Birth weight | | | Period of gestation | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Gram intervals | Equivalent in lbs./oz. | Total | -20 weeks | 20-23 | 24-27 | 28-31 | 32-35 | 36-39 | 40+ | Not stated |
| Total | | 17,722 | 1 | 21 | 59 | 75 | 402 | 4,973 | 12,191 | – |
| 500 or less | 1/1 or less | 20 | 1 | 12 | 4 | – | 3 | – | – | – |
| 501-750 | 1/2-1/10 | 19 | – | 7 | 11 | 1 | – | – | – | – |
| 751-1,000 | 1/11-2/3 | 42 | – | 1 | 27 | 8 | 6 | – | – | – |
| 1,001-1,250 | 2/4-2/12 | 29 | – | 1 | 11 | 7 | 6 | 1 | 3 | – |
| 1,251-1,500 | 2/13-3/4 | 44 | – | – | 1 | 23 | 13 | 5 | 2 | – |
| 1,501-1,750 | 3/5-3/13 | 62 | – | – | 1 | 15 | 41 | 5 | – | – |
| 1,751-2,000 | 3/14-4/6 | 93 | – | – | 1 | 12 | 51 | 23 | 6 | – |
| 2,001-2,250 | 4/7-4/15 | 185 | – | – | 1 | 6 | 77 | 76 | 25 | – |
| 2,251-2,500 | 5/0-5/8 | 436 | – | – | – | – | 84 | 229 | 123 | – |
| Total 2,500 or less | 5/8 or less | 930 | 1 | 21 | 57 | 72 | 281 | 339 | 159 | – |
| 2,501-2,750 | 5/9-6/1 | 797 | – | – | – | – | 41 | 452 | 304 | – |
| 2,751-3,000 | 6/2-6/9 | 1,629 | – | – | – | 2 | 34 | 743 | 850 | – |
| 3,001-3,250 | 6/10-7/2 | 2,765 | – | – | – | 1 | 18 | 1,004 | 1,742 | – |
| 3,251-3,500 | 7/3-7/11 | 3,551 | – | – | – | – | 15 | 995 | 2,541 | – |
| 3,501-3,750 | 7/12-8/4 | 3,317 | – | – | – | – | 9 | 746 | 2,562 | – |
| 3,751-4,000 | 8/5-8/13 | 2,457 | – | – | – | – | 2 | 415 | 2,040 | – |
| 4,001-4,250 | 8/14-9/6 | 1,254 | – | – | – | – | 1 | 168 | 1,085 | – |
| 4,251-4,500 | 9/7-9/14 | 659 | – | – | – | – | 1 | 67 | 591 | – |
| 4,501-4,750 | 9/15-10/7 | 233 | – | – | – | – | – | 30 | 203 | – |
| 4,751-5,000 | 10/8-11/0 | 88 | – | – | – | – | – | 11 | 77 | – |
| 5,001-5,250 | 11/1-11/9 | 26 | – | – | – | – | – | 1 | 25 | – |
| 5,251-5,500 | 11/10-12/2 | 11 | – | – | – | – | – | 2 | 9 | – |
| 5,501-5,750 | 12/3-12/10 | 2 | – | – | – | – | – | – | 2 | – |
| Total 2,501+ | over 5/8 | 16,789 | – | – | – | 3 | 121 | 4,634 | 12,031 | – |
| Not stated | | 3 | – | – | 2 | – | – | – | 1 | – |
| Per cent of total | | 100.0 | * | 0.1 | 0.3 | 0.4 | 2.3 | 28.1 | 68.8 | – |
| Per cent 2,500 grams or less | | 5.2 | 100.0 | 100.0 | 96.6 | 96.0 | 69.9 | 6.8 | 1.3 | – |
| Average weight (grams) | | 3,422.0 | 200.0 | 512.8 | 902.1 | 1,528.2 | 2,286.7 | 3,239.2 | 3,562.8 | – |
| Median weight (grams) | | 3,450.0 | 200.0 | 500.0 | 907.0 | 1,474.0 | 2,268.0 | 3,231.0 | 3,543.0 | – |

* *Less than 0.05 per cent.*

## Table 15. Live Births by Marital Status and Birth Weight for Mothers Under 20, Saskatchewan, 1982

| Gram Intervals | Marital Status | | | |
|---|---|---|---|---|
| | Single | Married | Divorced | Total |
| **Total** | **1,521** | **732** | **2** | **2,255** |
| 500 or less | – | – | – | – |
| 501 - 750 | 1 | 1 | – | 2 |
| 751 - 1,000 | 4 | 4 | – | 8 |
| 1,001 - 1,250 | 7 | – | – | 7 |
| 1,251 - 1,500 | 8 | 1 | – | 9 |
| 1,501 - 1,750 | 5 | 5 | – | 10 |
| 1,751 - 2,000 | 7 | 4 | – | 11 |
| 2,001 - 2,250 | 24 | 9 | – | 33 |
| 2,251 - 2,500 | 40 | 27 | – | 67 |
| **Total 2,500 or less** | **96** | **51** | – | **147** |
| 2,501 - 2,750 | 69 | 36 | – | 105 |
| 2,751 - 3,000 | 151 | 69 | – | 220 |
| 3,001 - 3,250 | 241 | 129 | – | 370 |
| 3,251 - 3,500 | 322 | 147 | 1 | 470 |
| 3,501 - 3,750 | 286 | 129 | 1 | 416 |
| 3,751 - 4,000 | 192 | 100 | – | 292 |
| 4,001 - 4,250 | 98 | 40 | – | 138 |
| 4,251 - 4,500 | 51 | 17 | – | 68 |
| 4,501 - 4,750 | 10 | 10 | – | 20 |
| 4,751 - 5,000 | 3 | 4 | – | 7 |
| Not Stated | 2 | – | – | 2 |

## Table 16. Live Births by Marital Status and Gestation for Mothers Under 20, Saskatchewan, 1982

| Gestation | Marital Status | | | |
|---|---|---|---|---|
| | Single | Married | Divorced | Total |
| 20 weeks | – | – | – | – |
| 21 weeks | – | – | – | – |
| 22 weeks | 2 | – | – | 2 |
| 23 weeks | – | – | – | – |
| 24 weeks | 4 | 2 | – | 6 |
| 25 weeks | – | – | – | – |
| 26 weeks | 2 | 2 | – | 4 |
| 27 weeks | 2 | – | – | 2 |
| 28 weeks | 2 | 1 | – | 3 |
| 29 weeks | – | – | – | – |
| 30 weeks | 5 | – | – | 5 |
| 31 weeks | 5 | 1 | – | 6 |
| 32 weeks | 9 | 6 | – | 15 |
| 33 weeks | 6 | – | – | 6 |
| 34 weeks | 16 | 6 | – | 22 |
| 35 weeks | 14 | 10 | – | 24 |
| 36 weeks | 49 | 17 | – | 66 |
| 37 weeks | 55 | 22 | – | 77 |
| 38 weeks | 139 | 66 | – | 205 |
| 39 weeks | 163 | 114 | – | 277 |
| 40 weeks | 748 | 304 | 2 | 1,054 |
| Over 40 weeks | 300 | 181 | – | 481 |
| **Total** | **1,521** | **732** | **2** | **2,255** |

# Mortality

In 1982 death claimed 8,202 Saskatchewan residents constituting a crude death rate of 8.4 per 1,000 population.

Deaths by occurrence within the province amounted to 8,181. Of this total, 8,033 decedents were residents of Saskatchewan and 148 were non-residents. Deaths of Saskatchewan residents occurring outside the province numbered 169.

### Age-Sex Mortality

Age specific death rates generally form the following pattern. Beginning with a high rate for infants, the rate drops to a minimum at the 5 to 14 age group then rises in each subsequent age group.

As in past years, the male death rate (9.6 per 1,000 population) exceeded the female rate (6.7 per 1,000 population) in 1982 (based on Statistics Canada population estimates). The difference in mortality rates between the sexes is more pronounced with the advancement of age.

In 1982, 2.5 per cent of all male deaths occurred in the under 5 age group, 28.2 per cent in the 5 to 64 age groups and 69.4 per cent in the 65 and over age group. Of female deaths, 2.8 per cent occurred in the under 5 age group, 20.2 per cent between the ages of 5 and 64, and 77.0 per cent in the 65 and over group.

## Table 17. Age Specific Death Rates (per 1,000 Population), Saskatchewan, 1973-1982*

| Year | All ages | Age group | | | | | |
|---|---|---|---|---|---|---|---|
| | | Under 5 | 5-14 | 15-24 | 25-44 | 45-64 | 65+ |
| 1973 | 8.5 | 4.3 | 0.4 | 1.4 | 1.5 | 7.6 | 54.6 |
| 1974 | 8.7 | 5.2 | 0.5 | 1.4 | 1.8 | 7.4 | 55.1 |
| 1975 | 8.5 | 4.6 | 0.4 | 1.4 | 1.7 | 7.5 | 53.0 |
| 1976 | 8.5 | 3.8 | 0.4 | 1.4 | 1.8 | 8.0 | 52.5 |
| 1977 | 8.1 | 4.0 | 0.4 | 1.6 | 1.6 | 7.0 | 50.3 |
| 1978 | 8.2 | 3.9 | 0.5 | 1.3 | 1.6 | 7.3 | 50.2 |
| 1979 | 7.7 | 3.2 | 0.4 | 1.4 | 1.6 | 7.1 | 46.3 |
| 1980 | 7.8 | 2.9 | 0.3 | 1.2 | 1.4 | 7.1 | 47.8 |
| 1981 | 7.8 | 3.1 | 0.4 | 1.2 | 1.4 | 7.1 | 46.1 |
| 1982 | 8.4 | 2.6 | 0.3 | 1.3 | 1.3 | 7.7 | 50.0 |

* *Rates were calculated using Statistics Canada population estimates.*

### Standardized (Age Adjusted) Death Rates

Analysis of mortality based on comparisons of crude death rates may prove to be unsatisfactory due to changes in the age composition of the population. A larger older population increases the risk of death, which will be reflected in the crude death rate. This factor may be corrected by determining what the mortality rate would have been had the age composition of the population remained constant over a series of years. Mortality rates are thus "standardized" to an arbitrary standard population, usually to the population in one particular year. The rates in Table 18 are standardized to the 1956 Saskatchewan census population.

Comparing the 1982 Saskatchewan crude death rate of 8.4 to the 1921 death rate of 7.4, there seems to be a deterioration. However, by "standardizing" (i.e. assuming that the age distribution of the population both in 1921 and 1982 was the same as in 1956), the results show a marked improvement since 1921, the standardized death rates being 10.4 in that year and 5.5 in 1982.

Since 1921 the standardized death rate has been decreasing for both sexes. Female rates have decreased more rapidly, however, and over the years the gap between male and female rates has widened. In 1921, the standardized death rate for males was 10.5 per 1,000 population and for females 10.3. The 1982 figures are 6.9 per 1,000 population for males, and 4.1 for females.

### Deaths in Hospitals

There were 5,770 deaths in hospitals in 1982 in the province as a whole (70.3 per cent). This is a slightly lower proportion than the 1981 level of 70.4 per cent.

### Leading Causes of Death

There is a varying impact of diseases on the different stages of the life span. Diseases peculiar to early infancy, congenital anomalies and pneumonia are main causes of death in infancy, while accidents take the greatest toll in childhood and young adult groups. Heart diseases and cancer become the major causes of death to persons in the middle and older ages.

In 1982, the average life years lost per decedent were 16.25 for males and 16.27 for females.

Heart diseases were the leading cause of death in terms of life years lost, making up 23.1 per cent of the total. They were also highest in actual number of deaths, accounting for over one-third of the total. Malignant neoplasms were the second highest cause of life years lost, and second highest in actual number of deaths. Transport accidents were third highest in terms of life years lost.

### Heart Disease

The proportion of older people in the population is increasing rapidly as a result of the lengthening life span. Since heart diseases are associated with the conditions of middle and old age, mortality from heart diseases have become a major cause of death.

Heart diseases accounted for 2,726 deaths in Saskatchewan in 1982 (272.5 per 100,000 population). (Rates referred to in this section were calculated using the SHSP covered population). This is an increase in number and an increase in rate from 1981.

Thirty-three per cent of all deaths in the province in 1982 were caused by heart diseases. Ischaemic heart disease was the leading cause of death in the 65 and over age group, and the second leading cause of death in the 45-64 age group, accounting for 29.2 and 24.8 per cent of deaths respectively. Of the total deaths due to heart diseases, 15.7 per cent were to persons in the 45-64 age group and 82.9 per cent in the 65 and over age group. Thus, almost all deaths caused by heart diseases (98.6 per cent) occurred to persons 45 years of age and over.

Ischaemic heart disease accounted for 77.1 per cent of total heart diseases, a rate of 210.0 per 100,000 population. Death rates from chronic rheumatic heart disease, hypertensive disease, and other forms of heart disease were 2.7, 7.6 and 52.2 per 100,000 population, respectively.

The male death rate from heart diseases (339.7) continued to be much higher than the female rate (216.8) with also a large difference in ischaemic heart disease, males (273.1) and females (155.8).

### Malignant Neoplasms (Cancer)

As in the case of heart diseases, cancer remains a leading cause of death because of the increase of older persons in the population. This disease was the second leading cause of death in 1982. The proportion (21.8 per cent of total deaths) was slightly lower than in 1981. The number (1,792) and the rate (179.1 per 100,000 population) were higher than in 1981. (Rates referred to in this section were calculated using the SHSP covered population).

Of the total deaths from cancer in Saskatchewan, 28.1 per cent were in the 45-64 age group and 67.4 per cent in the 65 plus group.

There was an increase in the male cancer mortality rate from 190.7 in 1981 to 212.1 in 1982 and an increase in the female rate from 141.4 in 1981 to 158.3 in 1982. More males die from cancer of trachea, bronchus and lungs, and more females die from breast cancer, than any other form.

### Accidents and Violence

There were 534 deaths due to accidents in 1982 compared with 528 in 1981, with the rate per 100,000 population showing a slight increase to 53.4 in 1982 from 53.3 in 1981. (Rates referred to in this section were calculated using the SHSP covered population). The proportion of accidental deaths to all deaths decreased to 6.5 per cent from 7.0 per cent in 1981.

Accidents were a leading cause of death in all age groups from 1-64. Transport accidents were the leading cause of death in the age groups 1-14 years, 15-24 years, 25-44 years, and 45-64 years.

The male accident rate was much higher than the female rate (77.8 and 31.1 per 100,000 population respectively).

The number of suicides in Saskatchewan in 1982 remained at 171 in 1982, giving a rate of 17.1 per 100,000 population.

Nearly one-third of all suicides in Saskatchewan were in the 15-24 age group; 85 per cent of all suicides were men.

Deaths from homicide and legal intervention totalled 33 in Saskatchewan in 1982. Of these victims twenty-four were males and nine were females.

## Table 18. Standardized* Mortality Rates for Saskatchewan, Decennial Census Years, 1921-82†

| Year | Both sexes | Male | Female |
|---|---|---|---|
| 1921 | 10.4 | 10.5 | 10.3 |
| 1931 | 10.0 | 10.0 | 10.0 |
| 1941 | 9.2 | 9.6 | 8.7 |
| 1951 | 7.8 | 8.4 | 7.1 |
| 1961 | 6.7 | 7.8 | 5.3 |
| 1971 | 5.9 | 7.3 | 4.5 |
| 1981 | 5.2 | 6.6 | 3.9 |
| 1982 | 5.5 | 6.9 | 4.1 |

* *Standardized to the 1956 Saskatchewan census population.*
† *Source-Statistics Canada.*

## Table 19. Deaths by Age and Sex with Rates and Percentages, Saskatchewan, 1982

| | Number | | | Rate per 1,000 population* | | | Per cent | | |
|---|---|---|---|---|---|---|---|---|---|
| Age | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Total | 8,202 | 4,854 | 3,348 | 8.2 | 9.6 | 6.7 | 100.0 | 100.0 | 100.0 |
| <1 | 186 | 106 | 80 | 11.5 | 12.8 | 10.2 | 2.3 | 2.2 | 2.4 |
| 1-4 | 29 | 16 | 13 | 0.4 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 |
| 5-9 | 25 | 12 | 13 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.4 |
| 10-14 | 29 | 18 | 11 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.3 |
| 15-19 | 128 | 96 | 32 | 1.4 | 2.0 | 0.7 | 1.6 | 2.0 | 1.0 |
| 20-24 | 111 | 95 | 16 | 1.1 | 1.9 | 0.3 | 1.4 | 2.0 | 0.5 |
| 25-29 | 92 | 69 | 23 | 1.0 | 1.5 | 0.5 | 1.1 | 1.4 | 0.7 |
| 30-34 | 76 | 51 | 25 | 1.1 | 1.4 | 0.7 | 0.9 | 1.1 | 0.7 |
| 35-39 | 75 | 44 | 31 | 1.3 | 1.5 | 1.1 | 0.9 | 0.9 | 0.9 |
| 40-44 | 99 | 63 | 36 | 2.1 | 2.7 | 1.6 | 1.2 | 1.3 | 1.1 |
| 45-49 | 180 | 121 | 59 | 4.0 | 5.3 | 2.7 | 2.2 | 2.5 | 1.8 |
| 50-54 | 235 | 159 | 76 | 5.0 | 6.7 | 3.3 | 2.9 | 3.3 | 2.3 |
| 55-59 | 419 | 264 | 155 | 8.9 | 11.3 | 6.5 | 5.1 | 5.4 | 4.6 |
| 60-64 | 571 | 375 | 196 | 12.7 | 17.3 | 8.5 | 7.0 | 7.7 | 5.9 |
| 65-69 | 807 | 532 | 275 | 20.1 | 27.5 | 13.2 | 9.8 | 11.0 | 8.2 |
| 70-74 | 1,021 | 663 | 358 | 32.6 | 44.2 | 21.9 | 12.4 | 13.7 | 10.7 |
| 75-79 | 1,048 | 628 | 420 | 46.9 | 61.1 | 34.8 | 12.8 | 12.9 | 12.5 |
| 80-84 | 1,071 | 591 | 480 | 78.5 | 98.3 | 62.9 | 13.1 | 12.2 | 14.3 |
| 85-89 | 1,006 | 486 | 520 | 131.2 | 160.9 | 111.9 | 12.3 | 10.0 | 15.5 |
| 90+ | 994 | 465 | 529 | 232.5 | 283.2 | 200.8 | 12.1 | 9.6 | 15.8 |

* *Rates were calculated using the Saskatchewan Hospital Services Plan Covered Population as of June 30, 1982.*

# Table 20. Leading Causes of Death in Each Age Group, Saskatchewan, 1982

| Age group and cause of death | Deaths in specified age groups | | Deaths at all ages from specified causes | |
|---|---|---|---|---|
| | Number | Percent | Number | Per cent in specified age group |
| Under 1 year | 186 | 100.0 | – | – |
| B45 Conditions in perinatal period | 82 | 44.1 | 82 | 100.0 |
| B44 Congenital anomalies | 54 | 29.0 | 66 | 81.8 |
| B46 Symptoms and ill-defined conditions | 23 | 12.4 | 76 | 30.3 |
| B32 Other diseases of respiratory system | 11 | 5.9 | 764 | 1.4 |
| Other | 16 | 8.6 | – | – |
| 1-4 years | 29 | 100.0 | – | – |
| B22 Diseases of the nervous system | 6 | 20.7 | 105 | 5.7 |
| BE47 Transport accidents | 6 | 20.7 | 271 | 2.2 |
| B32 Other diseases of respiratory system | 3 | 10.3 | 764 | 0.4 |
| BE52 Other accidents, late effects | 3 | 10.3 | 105 | 2.9 |
| B34 Other parts of digestive system | 2 | 6.9 | 337 | 0.6 |
| B44 Congenital anomalies | 2 | 6.9 | 66 | 3.0 |
| BE51 Accidents caused by fires/flames | 2 | 6.9 | 36 | 5.6 |
| Other | 5 | 17.2 | – | – |
| 5-14 years | 54 | 100.0 | – | – |
| BE47 Transport accidents | 19 | 35.2 | 271 | 7.0 |
| B08-B14 Malignant neoplasms | 14 | 25.9 | 1,792 | 0.8 |
| BE52 Other accidents, late effects | 6 | 11.1 | 105 | 5.7 |
| BE51 Accidents caused by fires/flames | 4 | 7.4 | 36 | 11.1 |
| B22 Diseases of the nervous system | 3 | 5.6 | 105 | 2.9 |
| Other | 8 | 14.8 | – | – |
| 15-24 years | 239 | 100.0 | – | – |
| BE47 Transport accidents | 100 | 41.8 | 271 | 36.9 |
| BE54 Suicide and self-inflicted injury | 62 | 25.9 | 171 | 36.3 |
| B08-B14 Malignant neoplasms | 13 | 5.4 | 1,792 | 0.7 |
| BE52 Other accidents, late effects | 13 | 5.4 | 105 | 12.4 |
| Other | 51 | 21.3 | – | – |
| 25-34 years | 168 | 100.0 | – | – |
| BE54 Suicide and self-inflicted injury | 41 | 24.4 | 171 | 24.0 |
| BE47 Transport accidents | 35 | 20.8 | 271 | 12.9 |
| B08-B14 Malignant neoplasms | 20 | 11.9 | 1,792 | 1.1 |
| BE52 Other accidents, late effects | 12 | 7.1 | 105 | 11.4 |
| BE48 Accidental poisoning | 11 | 6.5 | 27 | 40.7 |
| Other | 49 | 29.2 | – | – |
| 35-44 years | 174 | 100.0 | – | – |
| B08-B14 Malignant neoplasms | 32 | 18.4 | 1,792 | 1.8 |
| BE47 Transport accidents | 32 | 18.4 | 271 | 11.8 |
| B27 Ischaemic heart disease | 15 | 8.6 | 2,101 | 0.7 |
| B34 Other parts of digestive system | 13 | 7.5 | 337 | 3.9 |
| BE54 Suicide and self-inflicted injury | 13 | 7.5 | 171 | 7.6 |
| B28 Pulmonary and other heart disease | 10 | 5.7 | 522 | 1.9 |
| Other | 59 | 33.9 | – | – |
| 45-64 years | 1,405 | 100.0 | – | – |
| B08-B14 Malignant neoplasms | 503 | 35.8 | 1,792 | 28.1 |
| B27 Ischaemic heart disease | 348 | 24.8 | 2,101 | 16.6 |
| B34 Other parts of digestive system | 80 | 5.7 | 337 | 23.7 |
| Other | 474 | 33.7 | – | – |
| 65+ | 5,947 | 100.0 | – | – |
| B27 Ischaemic heart disease | 1,734 | 29.2 | 2,101 | 82.5 |
| B08-B14 Malignant neoplasms | 1,208 | 20.3 | 1,792 | 67.4 |
| B32 Other diseases of respiratory system | 670 | 11.3 | 764 | 87.7 |
| B29 Cerebrovascular disease | 669 | 11.2 | 732 | 91.4 |
| B28 Pulmonary and other heart disease | 439 | 7.4 | 522 | 84.1 |
| Other | 1,227 | 20.6 | – | – |

## Table 21. Deaths from Leading Causes by Sex, with Per Cent Distribution and Rates Per 100,000 Population, Saskatchewan, 1981 and 1982

| Causes of death ("B" List—9th Revision) | Number | | Per cent | | Rate* | |
|---|---|---|---|---|---|---|
| | 1981 | 1982 | 1981 | 1982 | 1981 | 1982 |
| **Both sexes** | | | | | | |
| All causes of death | 7,523 | 8,202 | 100.0 | 100.0 | 759.3 | 819.7 |
| B27 Ischaemic heart disease | 2,030 | 2,101 | 27.0 | 25.6 | 204.9 | 210.0 |
| B08-B14 Malignant neoplasms | 1,647 | 1,792 | 21.9 | 21.8 | 166.2 | 179.1 |
| B32 Other diseases of respiratory system | 576 | 764 | 7.7 | 9.3 | 58.1 | 76.3 |
| B29 Cerebrovascular disease | 677 | 732 | 9.0 | 8.9 | 68.3 | 73.2 |
| B28 Pulmonary and other heart disease | 491 | 522 | 6.5 | 6.4 | 49.6 | 52.2 |
| B34 Other parts of digestive system | 292 | 337 | 3.9 | 4.1 | 29.5 | 33.7 |
| BE47 Transport accidents | 300 | 271 | 4.0 | 3.3 | 30.3 | 27.1 |
| B30 Other diseases of circulatory system | 245 | 264 | 3.3 | 3.2 | 24.7 | 26.4 |
| BE54 Suicide and self-inflicted injury | 171 | 171 | 2.3 | 2.1 | 17.3 | 17.1 |
| B18 Endocrine and metabolic diseases | 136 | 170 | 1.8 | 2.1 | 13.7 | 17.0 |
| **Male** | | | | | | |
| All causes of death | 4,428 | 4,854 | 100.0 | 100.0 | 888.0 | 964.8 |
| B27 Ischaemic heart disease | 1,280 | 1,340 | 28.9 | 27.6 | 256.7 | 266.4 |
| B08-B14 Malignant neoplasms | 951 | 1,029 | 21.5 | 21.2 | 190.7 | 204.5 |
| B32 Other diseases of respiratory system | 370 | 472 | 8.4 | 9.7 | 74.2 | 93.8 |
| B29 Cerebrovascular disease | 291 | 360 | 6.6 | 7.4 | 58.4 | 71.6 |
| B28 Pulmonary and other heart disease | 265 | 282 | 6.0 | 5.8 | 53.1 | 56.1 |
| BE47 Transport accidents | 241 | 207 | 5.4 | 4.3 | 48.3 | 41.1 |
| B34 Other parts of digestive system | 158 | 166 | 3.6 | 3.4 | 31.7 | 33.0 |
| B30 Other diseases of circulatory system | 129 | 151 | 2.9 | 3.1 | 25.9 | 30.0 |
| BE54 Suicide and self-inflicted injury | 127 | 146 | 2.9 | 3.0 | 25.5 | 29.0 |
| BE52 Other accidents, late effects | 75 | 83 | 1.7 | 1.7 | 15.0 | 16.5 |
| **Female** | | | | | | |
| All causes of death | 3,095 | 3,348 | 100.0 | 100.0 | 628.9 | 672.9 |
| B08-B14 Malignant neoplasms | 696 | 763 | 22.5 | 22.8 | 141.4 | 153.3 |
| B27 Ischaemic heart disease | 750 | 761 | 24.2 | 22.7 | 152.4 | 152.9 |
| B29 Cerebrovascular disease | 386 | 372 | 12.5 | 11.1 | 78.4 | 74.8 |
| B32 Other diseases of respiratory system | 206 | 292 | 6.7 | 8.7 | 41.9 | 58.7 |
| B28 Pulmonary and other heart disease | 226 | 240 | 7.3 | 7.2 | 45.9 | 48.2 |
| B34 Other parts of digestive system | 134 | 171 | 4.3 | 5.1 | 27.2 | 34.4 |
| B30 Other diseases of circulatory system | 116 | 113 | 3.7 | 3.4 | 23.6 | 22.7 |
| B18 Endocrine and metabolic diseases | 79 | 88 | 2.6 | 2.6 | 16.1 | 17.7 |
| BE47 Transport accidents | 59 | 64 | 1.9 | 1.9 | 12.0 | 12.9 |
| B35 Diseases of urinary system | 47 | 59 | 1.5 | 1.8 | 9.6 | 11.9 |

* *Rates were calculated using the Saskatchewan Hospital Services Plan Covered Population as of June 30, 1981 and 1982.*

# Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1982

| Cause of death ("B"List-9th Revision) | Total life years lost | | | | | Average age of decedents | | Life years lost per decedent | |
|---|---|---|---|---|---|---|---|---|---|
| | Number | | | Per cent | | | | | |
| | Both sexes | Male | Female | Male | Female | Male | Female | Male | Female |
| 1 Intestinal infectious diseases | 90.99 | 72.43 | 18.56 | 79.60 | 20.40 | 0.11 | 80.00 | 72.43 | 9.28 |
| 2 Tuberculosis | 10.93 | 10.93 | 0.00 | 100.00 | 0.00 | 86.10 | — | 5.46 | — |
| 3 Other bacterial diseases | 378.62 | 163.31 | 215.31 | 43.13 | 56.87 | 73.45 | 60.93 | 13.61 | 26.91 |
| 4 Viral diseases | 300.65 | 188.85 | 111.80 | 62.81 | 37.19 | 62.19 | 58.10 | 20.98 | 27.95 |
| 7 Other infectious, parasitic diseases | 178.65 | 94.95 | 83.70 | 53.15 | 46.85 | 70.99 | 55.83 | 13.56 | 27.90 |
| 8 Malignant neoplasm of lip, oral cavity, pharynx | 489.86 | 324.48 | 165.38 | 66.24 | 33.76 | 65.10 | 61.07 | 17.08 | 23.63 |
| 9 Malignant neoplasm of digestive organs, peritoneum | 7,562.35 | 4,140.80 | 3,421.55 | 54.76 | 45.24 | 70.89 | 72.58 | 13.19 | 15.55 |
| 10 Malignant neoplasm of respiratory and related organs | 6,232.87 | 4,180.60 | 2,052.27 | 67.07 | 32.93 | 69.53 | 66.64 | 13.84 | 19.55 |
| 11 Malignant neoplasm of bone, skin, breast | 3,408.09 | 376.25 | 3,031.84 | 11.04 | 88.96 | 64.33 | 66.54 | 18.81 | 19.82 |
| 12 Malignant neoplasm of genitourinary organs | 4,683.39 | 2,322.99 | 2,360.40 | 49.60 | 50.40 | 74.01 | 68.57 | 11.61 | 18.30 |
| 13 Malignant neoplasm of other and unspecified sites | 2,609.16 | 1,333.20 | 1,275.96 | 51.10 | 48.90 | 65.01 | 67.13 | 18.02 | 20.25 |
| 14 Malignant neoplasm of lymph and haemopoietic tissue | 3,475.73 | 1,700.44 | 1,775.29 | 48.92 | 51.08 | 66.26 | 66.57 | 17.00 | 20.64 |
| 15 Benign neoplasm | 180.56 | 108.08 | 72.48 | 59.86 | 40.14 | 40.83 | 60.83 | 36.03 | 24.16 |
| 17 Other and unspecified neoplasm | 242.45 | 132.34 | 110.11 | 54.58 | 45.42 | 69.97 | 73.19 | 14.70 | 15.73 |
| 18 Endocrine and metabolic diseases | 2,288.81 | 1,120.44 | 1,168.37 | 48.95 | 51.05 | 70.86 | 76.08 | 13.66 | 13.28 |
| 19 Nutritional deficiencies | 63.79 | 44.39 | 19.40 | 69.59 | 30.41 | 86.37 | 87.43 | 5.55 | 6.47 |
| 20 Diseases of blood and blood-forming organs | 338.80 | 181.32 | 157.48 | 53.52 | 46.48 | 77.80 | 74.08 | 10.07 | 14.32 |
| 21 Mental disorders | 913.34 | 576.71 | 336.63 | 63.14 | 36.86 | 70.44 | 79.86 | 14.07 | 11.61 |
| 22 Diseases of the nervous system | 2,633.72 | 1,376.23 | 1,257.49 | 52.25 | 47.75 | 58.19 | 59.97 | 23.73 | 26.76 |
| 24 Diseases of ear and mastoid process | 5.80 | 0.00 | 5.80 | 0.00 | 100.00 | — | 89.90 | — | 5.80 |
| 25 Rheumatic fever/heart disease | 316.69 | 102.94 | 213.75 | 32.50 | 67.50 | 75.22 | 76.74 | 10.29 | 12.57 |
| 26 Hypertensive disease | 878.07 | 447.67 | 430.40 | 50.98 | 49.02 | 72.56 | 80.57 | 12.79 | 10.50 |
| 27 Ischaemic heart disease | 23,853.85 | 15,558.84 | 8,295.01 | 65.23 | 34.77 | 73.86 | 79.46 | 11.61 | 10.90 |
| 28 Pulmonary and other heart disease | 5,762.58 | 3,211.35 | 2,551.23 | 55.73 | 44.27 | 75.32 | 80.55 | 11.39 | 10.63 |
| 29 Cerebrovascular disease | 7,195.43 | 3,337.74 | 3,857.69 | 46.39 | 53.61 | 78.80 | 80.63 | 9.27 | 10.37 |
| 30 Other diseases of the circulatory system | 2,455.31 | 1,441.70 | 1,013.61 | 58.72 | 41.28 | 78.28 | 83.31 | 9.55 | 8.97 |
| 31 Diseases of the upper respiratory tract | 4.66 | 4.66 | 0.00 | 100.00 | 0.00 | 89.70 | — | 4.66 | — |

## Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1982 (Continued)

| Cause of death ("B"List-9th Revision) | Total life years lost | | | | | Average age of decedents | | Life years lost per decedents | |
|---|---|---|---|---|---|---|---|---|---|
| | Number | | | Per cent | | | | | |
| | Both sexes | Male | Female | Male | Female | Male | Female | Male | Female |
| 32 Other diseases of the respiratory system | 8,403.29 | 4,873.11 | 3,530.18 | 57.99 | 42.01 | 77.46 | 79.37 | 10.32 | 12.09 |
| 34 Other parts of digestive system | 5,135.81 | 2,626.39 | 2,509.42 | 51.14 | 48.86 | 68.25 | 74.93 | 15.82 | 14.67 |
| 35 Diseases of urinary system | 1,627.51 | 570.81 | 1,056.70 | 35.07 | 64.93 | 74.01 | 71.06 | 12.68 | 17.91 |
| 36 Diseases of male genital organs | 37.86 | 37.86 | 0.00 | 100.00 | 0.00 | 82.82 | — | 7.57 | — |
| 37 Diseases of female genital organs | 7.80 | 0.00 | 7.80 | 0.00 | 100.00 | — | 82.50 | — | 7.80 |
| 42 Diseases of skin | 25.67 | 6.27 | 19.40 | 24.43 | 75.57 | 82.50 | 87.43 | 6.27 | 6.47 |
| 43 Musculoskeletal and connective tissue | 425.78 | 222.43 | 203.35 | 52.24 | 47.76 | 71.29 | 77.62 | 13.08 | 11.96 |
| 44 Congenital anomalies | 4,580.50 | 2,581.81 | 1,998.69 | 56.37 | 43.63 | 7.21 | 6.26 | 66.20 | 74.03 |
| 45 Conditions in perinatal period | 6,204.92 | 3,259.35 | 2,945.57 | 52.53 | 47.47 | 0.11 | 0.11 | 72.43 | 79.61 |
| 46 Symptoms and ill-defined conditions | 2,536.81 | 1,281.40 | 1,255.41 | 50.51 | 49.49 | 50.16 | 53.11 | 32.03 | 34.87 |
| E 47 Transport accidents | 11,566.96 | 8,747.43 | 2,819.53 | 75.62 | 24.38 | 34.70 | 38.93 | 42.26 | 44.06 |
| E 48 Accidental poisoning | 1,006.95 | 562.55 | 444.40 | 55.87 | 44.13 | 42.64 | 42.50 | 35.16 | 40.40 |
| E 49 Misadventures during medical care | 111.82 | 111.82 | 0.00 | 100.00 | 0.00 | 57.50 | | 22.36 | |
| E 50 Accidental falls | 1,165.09 | 674.35 | 490.74 | 57.88 | 42.12 | 70.66 | 80.35 | 14.99 | 11.68 |
| E 51 Accidents caused by fires and flames | 1,409.42 | 967.85 | 441.57 | 68.67 | 31.33 | 39.41 | 42.95 | 38.71 | 40.14 |
| E 52 Other accidents, late effects | 3,247.67 | 2,501.57 | 746.10 | 77.03 | 22.97 | 49.97 | 51.81 | 30.14 | 33.91 |
| E 53 Effects of drugs and medication | 148.48 | 72.43 | 76.05 | 48.78 | 51.22 | 0.11 | 45.00 | 72.43 | 38.02 |
| E 54 Suicide and self-inflicted injury | 6,948.74 | 5,720.25 | 1,228.49 | 82.32 | 17.68 | 38.06 | 32.90 | 39.18 | 49.14 |
| E 55 Homicide and intentional injury | 1,391.14 | 982.51 | 408.63 | 70.63 | 29.37 | 35.21 | 36.94 | 40.94 | 45.40 |
| E 56 Other violence | 801.61 | 517.52 | 284.09 | 64.56 | 35.44 | 40.87 | 35.00 | 36.97 | 47.35 |
| Total | 133,338.98 | 78,871.35 | 54,467.63 | 59.15 | 40.85 | 68.29 | 72.96 | 16.25 | 16.27 |

* Based on "Life Tables, Canada and the Provinces, 1980-1982", prepared by Statistics Canada, Ottawa, Ontario, June, 1984.

## Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1982

| | Cause of death | All ages | | | |
|---|---|---|---|---|---|
| | | Both sexes | | | |
| | | Number | Rate | Male | Female |
| All causes | | 8,202 | 819.7 | 4,854 | 3,348 |
| A 3 | Other samonella infections, food poisoning | 2 | 0.2 | — | 2 |
| A 5 | Intestinal infections, specified | 1 | 0.1 | 1 | — |
| A 7 | Tuberculois of respiratory system | 2 | 0.2 | 2 | — |
| A 13 | Meningococcal infection | 2 | 0.2 | 1 | 1 |
| A 15 | Septicemia | 16 | 1.6 | 10 | 6 |
| A 16 | All other bacterial diseases | 2 | 0.2 | 1 | 1 |
| A 22 | Viral hepatitis | 1 | 0.1 | 1 | — |
| A 23 | Other viral diseases | 12 | 1.2 | 8 | 4 |
| A 32 | Mycoses | 1 | 0.1 | 1 | — |
| A 34 | Late effects of tuberculosis | 5 | 0.5 | 3 | 2 |
| A 35 | Late effects acute poliomyelitis | 2 | 0.2 | 2 | — |
| A 36 | All other infectious, parasitic diseases and their late effects | 2 | 0.2 | 1 | 1 |
| A 37 | Malignant neoplasm of lip | 1 | 0.1 | 1 | — |
| A 38 | Malignant neoplasm of tongue | 5 | 0.5 | 3 | 2 |
| A 39 | Malignant neoplasm of pharynx | 15 | 1.5 | 11 | 4 |
| A 40 | Malignant neoplasms of other and ill-defined sites within the lip, oral cavity, and pharynx | 5 | 0.5 | 4 | 1 |
| A 41 | Malignant neoplasm of esophagus | 29 | 2.9 | 23 | 6 |
| A 42 | Malignant neoplasm of stomach | 94 | 9.4 | 69 | 25 |
| A 43 | Malignant neoplasm of small intestine, inc. duod. | 5 | 0.5 | 3 | 2 |
| A 44 | Malignant neoplasms of hepatic and splenic flexures and transverse colon | 6 | 0.6 | 2 | 4 |
| A 45 | Malignant neoplasm of descending colon | 4 | 0.4 | 3 | 1 |
| A 46 | Malignant neoplasm of signoid colon | 28 | 2.8 | 14 | 14 |
| A 47 | Malignant neoplasms of caecum, appendix, and ascending colon | 25 | 2.5 | 11 | 14 |
| A 48 | Malignant neoplasms other and colon, unspecified | 89 | 8.9 | 4 | 42 |
| A 49 | Malignant neoplasms of rectum, rectosignoid junction and anus | 56 | 5.6 | 39 | 17 |
| A 50 | Malignant neoplasms of liver, primary | 5 | 0.5 | 4 | 1 |
| A 52 | Malignant neoplasm of liver, not specified as primary or secondary | 14 | 1.4 | 11 | 3 |
| A 53 | Malignant neoplasms of gallbladder and extrahepatic bile ducts | 34 | 3.4 | 11 | 23 |
| A 54 | Malignant neoplasms of pancreas | 110 | 11.0 | 61 | 49 |
| A 55 | Malignant neoplasms of retroperitoneum, peritoneum and other ill-defined sites | 35 | 3.5 | 16 | 19 |
| A 56 | Malignant neoplasm of larynx | 16 | 1.6 | 13 | 3 |
| A 57 | Malignant neoplasms of trachea, bronchus, and lung | 388 | 38.8 | 287 | 101 |
| A 58 | Malignant neoplasms of all other and ill-defined sites within respiratory system | 3 | 0.3 | 2 | 1 |
| A 59 | Malignant neoplasms of bone and articular cartilage | 2 | 0.2 | 1 | 1 |
| A 60 | Malignant neoplasms of connective and other soft tissue | 14 | 1.4 | 7 | 7 |
| A 61 | Melanoma of skin | 15 | 1.5 | 9 | 6 |
| A 62 | Other malignant neoplasms of skin | 6 | 0.6 | 3 | 3 |
| A 63 | Malignant neoplasm of female breast | 136 | 13.6 | — | 136 |
| A 65 | Malignant neoplasm of cervix uteri | 17 | 1.7 | — | 17 |
| A 66 | Malignant neoplasms of other parts of uterus | 18 | 1.8 | — | 18 |
| A 67 | Malignant neoplasms of ovary and other uterine adnexa | 59 | 5.9 | — | 59 |
| A 68 | Malignant neoplasms of other and unspecified female genital organs | 2 | 0.2 | — | 2 |

| Age group | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Under 15 | | 15-24 | | 25-44 | | 45-64 | | 65-74 | | 75+ | | |
| M | F | M | F | M | F | M | F | M | F | M | F | |
| 152 | 117 | 191 | 48 | 227 | 115 | 919 | 4,861 | 195 | 6,332 | 1,701 | 949 | — |
| — | — | — | — | — | — | — | — | — | — | — | 2 | A 3 |
| 1 | — | — | — | — | — | — | — | — | — | — | — | A 5 |
| — | — | — | — | — | — | — | — | — | — | 2 | — | A 7 |
| 1 | 1 | — | — | — | — | — | — | — | — | — | — | A 13 |
| — | 1 | — | — | — | — | 1 | 1 | 1 | — | 8 | 4 | A 15 |
| — | — | — | — | — | — | — | — | — | — | 1 | 1 | A 16 |
| — | — | — | — | — | — | — | — | 1 | — | — | — | A 22 |
| 1 | — | — | — | 1 | 1 | — | 2 | 3 | — | 3 | 1 | A 23 |
| — | — | — | — | — | — | 1 | — | — | — | — | — | A 32 |
| — | — | — | — | — | 1 | — | 1 | 1 | — | 2 | — | A 34 |
| — | — | — | — | — | — | 1 | — | 1 | — | — | — | A 35 |
| — | — | — | — | — | — | 1 | 1 | — | — | — | — | A 36 |
| — | — | — | — | — | — | — | — | — | — | 1 | — | A 37 |
| — | — | — | — | 1 | — | 1 | 1 | 1 | 1 | — | — | A 38 |
| — | — | — | — | 1 | — | 4 | 3 | 5 | — | 1 | 1 | A 39 |
| — | — | — | — | — | — | 1 | — | 1 | 1 | 2 | — | A 40 |
| — | — | — | — | — | — | 11 | 3 | 6 | — | 6 | 3 | A 41 |
| — | — | 1 | — | — | 2 | 14 | 4 | 30 | 3 | 24 | 16 | A 42 |
| — | — | — | — | — | — | 2 | 1 | 1 | — | — | 1 | A 43 |
| — | — | — | — | — | — | — | 2 | — | — | 2 | 2 | A 44 |
| — | — | — | — | — | — | — | — | 2 | — | 1 | 1 | A 45 |
| — | — | — | — | — | — | 1 | 2 | 7 | 4 | 6 | 8 | A 46 |
| — | — | — | — | — | — | 3 | 3 | 4 | 3 | 4 | 8 | A 47 |
| — | — | — | — | 1 | 1 | 8 | 11 | 15 | 14 | 23 | 16 | A 48 |
| — | — | — | — | — | 1 | 12 | 5 | 9 | 6 | 18 | 5 | A 49 |
| — | — | — | — | — | 1 | 2 | — | 1 | — | 1 | — | A 50 |
| — | — | — | — | — | — | 5 | 1 | 4 | — | 2 | 2 | A 52 |
| — | — | — | — | — | — | 3 | 4 | 6 | 7 | 2 | 12 | A 53 |
| — | — | — | — | 1 | — | 16 | 15 | 26 | 18 | 18 | 16 | A 54 |
| — | — | — | — | — | 2 | 5 | 2 | 6 | 4 | 5 | 11 | A 55 |
| — | — | — | — | — | — | 7 | 1 | 3 | 1 | 3 | 1 | A 56 |
| — | — | — | — | 4 | 3 | 90 | 38 | 98 | 33 | 95 | 27 | A 57 |
| — | 1 | — | — | — | — | — | — | 1 | — | 1 | — | A 58 |
| — | — | — | 1 | — | — | — | — | — | — | 1 | — | A 59 |
| — | — | 1 | 1 | — | — | 3 | 1 | — | 2 | 3 | 3 | A 60 |
| — | — | — | — | — | — | 4 | 2 | 2 | 2 | 3 | 2 | A 61 |
| — | — | 1 | — | 1 | — | — | — | — | — | 1 | 3 | A 62 |
| — | — | — | — | — | 7 | — | 56 | — | 39 | — | 34 | A 63 |
| — | — | — | — | — | 2 | — | 4 | — | 7 | — | 4 | A 65 |
| — | — | — | — | — | — | — | 3 | — | 5 | — | 10 | A 66 |
| — | — | — | — | — | 2 | — | 31 | — | 17 | — | 9 | A 67 |
| — | — | — | — | — | — | — | — | — | 1 | — | 1 | A 68 |

## Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1982 (Continued)

| | Cause of death | All ages | | | |
|---|---|---|---|---|---|
| | | Both sexes | | | |
| | | Number | Rate | Male | Female |
| A 69 | Malignant neoplasm of prostate | 139 | 13.9 | 139 | — |
| A 70 | Malignant neoplasm of testis | 3 | 0.3 | 3 | — |
| A 71 | Penis and other male genital organs | 3 | 0.3 | 3 | — |
| A 72 | Malignant neoplasm of bladder | 34 | 3.4 | 20 | 14 |
| A 73 | Malignant neoplasm of kidney and other unspecified urinary organs | 54 | 5.4 | 35 | 19 |
| A 74 | Malignant neoplasm of eye | 2 | 0.2 | 1 | 1 |
| A 75 | Malignant neoplasm of brain | 36 | 3.6 | 25 | 11 |
| A 76 | Malignant neoplasms of other and unspecified parts of nervous system | 2 | 0.2 | 1 | 1 |
| A 77 | Malignant neoplasms of thyroid gland and other endocrine glands and related structures | 13 | 1.3 | 2 | 11 |
| A 78 | Malignant neoplasms of all other and unspecified sites | 84 | 8.4 | 45 | 39 |
| A 79 | Lymphosarcoma and reticulosarcoma | 18 | 1.8 | 9 | 9 |
| A 80 | Hodgkins disease | 6 | 0.6 | 2 | 4 |
| A 81 | Other malignant neoplasms of lymphoid and histiocytic tissue | 43 | 4.3 | 26 | 17 |
| A 82 | Multiple myeloma and innumoproliferative neoplasms | 37 | 3.7 | 22 | 15 |
| A 83 | Lymphoid leukemia | 21 | 2.1 | 10 | 11 |
| A 84 | Myeloid leukemia | 31 | 3.1 | 16 | 15 |
| A 85 | Monocytic leukemia | 1 | 0.1 | 1 | — |
| A 86 | Other and unspecified leukemia | 29 | 2.9 | 14 | 15 |
| A 88 | Benign neoplasms of eye, brain, and other parts of nervous system | 5 | 0.5 | 2 | 3 |
| A 89 | All other and unspecified sites | 1 | 0.1 | 1 | — |
| A 92 | Neoplasms of uncertain behavior | 7 | 0.7 | 4 | 3 |
| A 93 | Neoplasms of unspecified nature | 9 | 0.9 | 5 | 4 |
| A 94 | Disorders of thyroid gland | 6 | 0.6 | 3 | 3 |
| A 95 | Diabetes mellitus | 137 | 13.7 | 67 | 70 |
| A 96 | Disorders of pituitary and hypothalamic glands | 1 | 0.1 | — | 1 |
| A 98 | Disorders of adrenal glands | 2 | 0.2 | — | 2 |
| A 99 | Cystic fibrosis | 1 | 0.1 | 1 | — |
| A 100 | Obesity | 2 | 0.2 | 1 | 1 |
| A 101 | All other indocrine and metabolic diseases and immunity disorders | 21 | 2.1 | 10 | 11 |
| A 103 | Other protein-calorie malnutrition | 11 | 1.1 | 8 | 3 |
| A 105 | Deficienct anemias | 4 | 0.4 | 2 | 2 |
| A 107 | Aplastic anemia | 5 | 0.5 | 5 | — |
| A 108 | Other and unspecified anemias | 8 | 0.8 | 4 | 4 |
| A 109 | Purpura and other haemorrhagic conditions | 6 | 0.6 | 3 | 3 |
| A 110 | All other diseases of blood and blood-forming organs | 6 | 0.6 | 4 | 2 |
| A 111 | Senile and presenile organic psychotic conditions | 23 | 2.3 | 14 | 9 |
| A 113 | All other psychoses | 6 | 0.6 | 1 | 5 |
| A 114 | Alcohol dependence syndrome | 21 | 2.1 | 17 | 4 |
| A 116 | Other neurotic, personality, and nonpsychotic mental disorders | 20 | 2.0 | 9 | 11 |
| A 118 | Meningitis | 6 | 0.6 | 1 | 5 |
| A 119 | Parkinsons disease | 20 | 2.0 | 11 | 9 |
| A 120 | Other hereditary and degenerative diseases of the central nervous system | 37 | 3.7 | 21 | 16 |
| A 121 | Multiple sclerosis | 8 | 0.8 | 3 | 5 |
| A 122 | Infantiel cerebral palsy | 7 | 0.7 | 3 | 4 |
| A 123 | Epilepsy | 9 | 0.9 | 9 | — |

| Age group | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Under 15 | | 15-24 | | 25-44 | | 45-64 | | 65-74 | | 75+ | | |
| M | F | M | F | M | F | M | F | M | F | M | F | |
| – | – | – | – | – | – | 18 | – | 37 | – | 84 | – | A 69 |
| – | – | 2 | – | 1 | – | – | – | – | – | – | – | A 70 |
| – | – | – | – | 1 | – | – | – | 2 | – | – | – | A 71 |
| – | – | – | – | – | – | 6 | 2 | 6 | 4 | 8 | 8 | A 72 |
| – | 1 | 1 | – | 1 | – | 9 | 3 | 13 | 8 | 11 | 7 | A 73 |
| – | – | – | – | – | – | – | – | – | 1 | 1 | – | A 74 |
| 3 | 1 | – | 1 | 2 | 2 | 7 | 3 | 10 | 3 | 3 | 1 | A 75 |
| – | – | – | 1 | 1 | – | – | – | – | – | – | – | A 76 |
| 2 | 1 | – | – | – | 1 | – | 2 | – | 1 | – | 6 | A 77 |
| – | – | – | – | – | 1 | 11 | 10 | 13 | 10 | 21 | 18 | A 78 |
| – | – | – | – | 1 | – | 3 | 7 | 3 | – | 2 | 2 | A 79 |
| – | – | – | – | 1 | 1 | – | 1 | – | 1 | 1 | 1 | A 80 |
| – | 2 | 1 | – | 2 | – | 7 | 6 | 7 | 4 | 9 | 5 | A 81 |
| – | – | – | – | 1 | – | 8 | 2 | 6 | 4 | 7 | 9 | A 82 |
| – | 1 | – | 1 | – | 1 | 2 | 1 | 4 | 2 | 4 | 5 | A 83 |
| – | 1 | 1 | – | 2 | 2 | 3 | 2 | 3 | 5 | 7 | 5 | A 84 |
| – | – | – | – | – | – | 1 | – | – | – | – | – | A 85 |
| 2 | 1 | – | – | 1 | – | 1 | 3 | 6 | 4 | 4 | 7 | A 86 |
| – | – | – | – | 1 | 1 | 1 | 1 | – | – | – | 1 | A 88 |
| – | – | – | – | 1 | – | – | – | – | – | – | – | A 89 |
| – | – | – | – | – | 1 | 1 | – | – | 2 | 3 | – | A 92 |
| – | – | – | – | 1 | – | 1 | – | – | 1 | 3 | 3 | A 93 |
| – | – | – | – | – | – | 1 | – | 1 | 1 | 1 | 2 | A 94 |
| – | – | – | – | 1 | 2 | 11 | 10 | 28 | 16 | 27 | 42 | A 95 |
| – | – | – | – | – | – | – | – | – | – | – | 1 | A 96 |
| – | 1 | – | – | – | – | – | – | – | – | – | 1 | A 98 |
| – | – | 1 | – | – | – | – | – | – | – | – | – | A 99 |
| – | – | – | – | – | – | – | – | – | 1 | 1 | – | A 100 |
| 1 | – | – | – | 1 | – | 3 | 1 | 2 | 3 | 3 | 7 | A 101 |
| – | – | – | – | – | – | – | – | – | – | 8 | 3 | A 103 |
| – | – | – | – | – | – | – | – | – | – | 2 | 2 | A 105 |
| – | – | – | – | – | – | 1 | – | 1 | – | 3 | – | A 107 |
| – | – | – | – | – | – | – | – | – | – | 4 | 4 | A 108 |
| – | – | – | – | – | 1 | 2 | 1 | – | – | 1 | 1 | A 109 |
| – | – | – | – | – | – | 1 | – | 1 | 2 | 2 | – | A 110 |
| – | – | – | – | – | – | 1 | – | 3 | 1 | 10 | 8 | A 111 |
| – | – | – | – | – | – | – | – | – | – | 1 | 5 | A 113 |
| – | – | – | – | 1 | – | 10 | 3 | 4 | 1 | 2 | – | A 114 |
| – | – | – | – | 1 | 1 | 3 | – | 1 | 3 | 4 | 7 | A 116 |
| – | 2 | – | 1 | – | – | 1 | 1 | – | – | – | 1 | A 118 |
| – | – | – | – | – | – | – | – | 3 | 1 | 8 | 8 | A 119 |
| 1 | 1 | 1 | – | 2 | – | 5 | 3 | 5 | 6 | 7 | 6 | A 120 |
| – | – | – | – | – | 1 | 3 | 3 | – | 1 | – | – | A 121 |
| 2 | 4 | – | – | 1 | – | – | – | – | – | – | – | A 122 |
| – | – | 2 | – | 4 | – | 3 | – | – | – | – | – | A 123 |

## Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1982 (Continued)

| Cause of death | | All ages | | | |
|---|---|---|---|---|---|
| | | Both sexes | | | |
| | | Number | Rate | Male | Female |
| A 124 | Other disorders of nervous system | 18 | 1.8 | 10 | 8 |
| A 126 | Diseases of ear and mastoid | 1 | 0.1 | – | 1 |
| A 128 | Diseases of mitral valve | 14 | 1.4 | 5 | 9 |
| A 130 | Diseases of mitral and aortic valves | 5 | 0.5 | 1 | 4 |
| A 131 | All other chronic rheumatic heart disease | 8 | 0.8 | 4 | 4 |
| A 132 | Essential hypertension | 9 | 0.9 | 6 | 3 |
| A 133 | Hypertensive heart disease | 40 | 4.0 | 17 | 23 |
| A 134 | Hypertensive renal disease | 19 | 1.9 | 8 | 11 |
| A 135 | Hypertensive heart and renal diseases | 8 | 0.8 | 4 | 4 |
| A 136 | Acute myocardial infarction | 1,367 | 136.6 | 897 | 470 |
| A 137 | Ischaemic heart disease | 20 | 2.0 | 12 | 8 |
| A 138 | Angina pectoris | 3 | 0.3 | 1 | 2 |
| A 139 | All other forms of chronic ischaemic heart disease | 711 | 71.1 | 430 | 281 |
| A 140 | Diseases of pulmonary circulation | 87 | 8.7 | 56 | 31 |
| A 141 | Acute and subacute endocarditis | 4 | 0.4 | 2 | 2 |
| A 142 | Acute pericarditis, acute myocarditis, and other diseases of pericardium | 6 | 0.6 | 4 | 2 |
| A 143 | Mitral valve disorders | 9 | 0.9 | 4 | 5 |
| A 144 | Aortic valve disorders | 25 | 2.5 | 14 | 11 |
| A 145 | Other diseases of endocardium | 5 | 0.5 | 2 | 3 |
| A 146 | Heart failure | 216 | 21.6 | 109 | 107 |
| A 147 | Myocarditis, unspecified and myocardial degeneration | 10 | 1.0 | 6 | 4 |
| A 148 | All other and ill-defined forms of heart disease | 160 | 16.0 | 85 | 75 |
| A 149 | Subarachnoid hemorrhage | 38 | 3.8 | 19 | 19 |
| A 150 | Intracerebral and other intracranial haemorrhage | 94 | 9.4 | 46 | 48 |
| A 151 | Occlusion and stenosis of precerebral arteries | 3 | 0.3 | 2 | 1 |
| A 152 | Cerebral thrombosis and unspecified occlusion of cerebral arteries | 106 | 10.6 | 62 | 44 |
| A 153 | Cerebral embolism | 8 | 0.8 | 3 | 5 |
| A 154 | Acute but ill-defined cerebrovascular disease | 405 | 40.5 | 187 | 218 |
| A 155 | Other and late effects of cerebrovascular diseases | 78 | 7.8 | 41 | 37 |
| A 156 | Atherosclerosis | 122 | 12.2 | 60 | 62 |
| A 157 | Aortic aneurysm | 90 | 9.0 | 65 | 25 |
| A 158 | All other diseases of arteries, arterioles, and capillaries | 33 | 3.3 | 18 | 15 |
| A 159 | Phlebitis, thrombophlebitis, and venous embolism and thrombosis | 18 | 1.8 | 8 | 10 |
| A 160 | All other diseases of veins and lymphatics, and other diseases of circulatory system | 1 | 0.1 | – | 1 |
| A 161 | Acute upper respiratory infections | 1 | 0.1 | 1 | – |
| A 163 | Acute bronchitis, bronchiolitis | 1 | 0.1 | – | 1 |
| A 164 | Viral pneumonia | 10 | 1.0 | 4 | 6 |
| A 165 | Pneumococcal and other bacterial pneumonia | 18 | 1.8 | 13 | 5 |
| A 166 | Bronchopneumonia, organism unspecified | 192 | 19.2 | 109 | 83 |
| A 167 | Pneumonia due to other and unspecified organism | 156 | 15.6 | 84 | 72 |
| A 168 | Influenza | 58 | 5.8 | 25 | 33 |
| A 169 | Bronchitis, not specified as acute or chronic | 2 | 0.2 | – | 2 |
| A 170 | Chronic bronchitis | 45 | 4.5 | 37 | 8 |
| A 171 | Emphysema | 50 | 5.0 | 40 | 10 |
| A 172 | Asthma | 34 | 3.4 | 15 | 19 |
| A 173 | Bronchiectasis and extrinsic allergic alveolitis | 8 | 0.8 | 6 | 2 |
| A 174 | Chronic airways obstruction, not elsewhere classified | 117 | 11.7 | 96 | 21 |

| Age group | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Under 15 | | 15-24 | | 25-44 | | 45-64 | | 65-74 | | 75+ | | |
| M | F | M | F | M | F | M | F | M | F | M | F | |
| 1 | 1 | 1 | – | 1 | – | – | 1 | 4 | 3 | 3 | 3 | A 124 |
| – | – | – | – | – | – | – | – | – | – | – | 1 | A 126 |
| – | – | – | – | – | – | 1 | 1 | 3 | 1 | 1 | 7 | A 128 |
| – | – | – | – | – | – | – | 1 | – | 2 | 1 | 1 | A 130 |
| – | – | – | – | – | – | – | 1 | – | 2 | 4 | 1 | A 131 |
| – | – | – | – | – | 1 | 1 | – | 3 | – | 2 | 2 | A 132 |
| – | – | – | – | 1 | – | 4 | 2 | 4 | 3 | 8 | 18 | A 133 |
| – | – | – | – | – | – | 3 | – | 2 | 3 | 3 | 8 | A 134 |
| – | – | – | – | – | – | – | – | 3 | – | 1 | 4 | A 135 |
| – | – | – | – | 10 | 3 | 221 | 47 | 277 | 119 | 389 | 301 | A 136 |
| – | – | – | – | – | 1 | 2 | 3 | 1 | 2 | 9 | 2 | A 137 |
| – | – | – | – | – | – | – | – | – | – | 1 | 2 | A 138 |
| – | – | 1 | – | 4 | – | 59 | 16 | 116 | 32 | 250 | 233 | A 139 |
| – | – | – | – | 1 | 1 | 15 | 2 | 14 | 14 | 26 | 14 | A 140 |
| – | – | – | – | – | – | 1 | – | – | – | 1 | 2 | A 141 |
| – | – | – | 1 | – | – | 2 | – | 1 | 1 | 1 | – | A 142 |
| – | – | – | – | – | – | 2 | – | 1 | 1 | 1 | 4 | A 143 |
| – | – | – | – | – | 1 | 2 | 1 | 5 | – | 7 | 9 | A 144 |
| – | – | – | – | – | – | 1 | 1 | 1 | 1 | – | 1 | A 145 |
| – | – | – | – | 1 | – | 7 | 6 | 19 | 7 | 82 | 94 | A 146 |
| – | – | 1 | – | 1 | – | – | – | – | – | 4 | 4 | A 147 |
| – | – | 1 | – | 6 | 2 | 21 | 6 | 18 | 10 | 39 | 57 | A 148 |
| – | – | 1 | – | 2 | 3 | 10 | 11 | 4 | 4 | 2 | 1 | A 149 |
| – | – | 1 | – | 1 | – | 3 | 11 | 14 | 13 | 27 | 24 | A 150 |
| – | – | – | – | – | – | – | – | 1 | 1 | 1 | – | A 151 |
| – | – | – | – | – | – | 2 | 4 | 13 | 9 | 47 | 31 | A 152 |
| – | – | 1 | – | – | – | 1 | – | 1 | – | – | 5 | A 153 |
| – | – | – | – | – | – | 5 | 3 | 37 | 33 | 145 | 182 | A 154 |
| – | – | – | – | 2 | – | 1 | 1 | 6 | 2 | 32 | 34 | A 155 |
| – | – | – | – | – | – | 1 | – | 5 | 3 | 54 | 59 | A 156 |
| – | – | – | – | 2 | – | 11 | 3 | 22 | 4 | 30 | 18 | A 157 |
| – | – | – | – | – | 1 | 1 | 1 | 6 | 2 | 11 | 11 | A 158 |
| – | – | – | – | 1 | – | 3 | 1 | 1 | 3 | 3 | 6 | A 159 |
| – | – | – | – | – | – | – | 1 | – | – | – | – | A 160 |
| – | – | – | – | – | – | – | – | – | – | 1 | – | A 161 |
| – | – | – | – | – | – | – | – | – | 1 | – | – | A 163 |
| 1 | 4 | – | – | – | – | – | – | 1 | – | 2 | 2 | A 164 |
| – | – | – | – | – | – | – | – | 5 | – | 8 | 5 | A 165 |
| 3 | – | – | 1 | – | – | 5 | 3 | 20 | 10 | 81 | 69 | A 166 |
| 3 | 1 | – | – | – | 1 | 6 | 3 | 13 | 5 | 62 | 62 | A 167 |
| – | – | – | – | – | – | 1 | 2 | 3 | 1 | 21 | 30 | A 168 |
| – | – | – | – | – | – | – | – | – | – | – | 2 | A 169 |
| – | – | – | – | – | – | 2 | 2 | 8 | 1 | 27 | 5 | A 170 |
| – | – | 1 | – | – | – | 2 | 1 | 20 | 6 | 17 | 3 | A 171 |
| – | – | 2 | – | 2 | 1 | 3 | 4 | 4 | 2 | 4 | 12 | A 172 |
| – | – | – | – | – | – | – | – | 4 | 1 | 2 | 1 | A 173 |
| – | – | – | – | – | – | 14 | 4 | 25 | 6 | 57 | 11 | A 174 |

## Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1982 (Continued)

| | Cause of death | All ages | | | |
|---|---|---|---|---|---|
| | | Both sexes | | | |
| | | Number | Rate | Male | Female |
| A 175 | Pneumoconioses and other lung disease due to external agents | 4 | 0.4 | 3 | 1 |
| A 176 | Empyema and abscess of lung | 3 | 0.3 | 3 | – |
| A 177 | Pleurisy | 6 | 0.6 | 4 | 2 |
| A 178 | All other diseases of respiratory system | 60 | 6.0 | 33 | 27 |
| A 180 | Gastric ulcer | 14 | 1.4 | 9 | 5 |
| A 181 | Duodenal ulcer | 23 | 2.3 | 13 | 10 |
| A 182 | Peptic ulcer, site unspecified | 10 | 1.0 | 5 | 5 |
| A 183 | Gastritis and duodenitis | 10 | 1.0 | 5 | 5 |
| A 184 | Appendicitis | 4 | 0.4 | 1 | 3 |
| A 185 | Hernia of abdominal cavity and intestinal obstruction without mention of hernia | 46 | 4.6 | 24 | 22 |
| A 186 | Regional enteritis and idiopathic proctocolitis | 3 | 0.3 | 2 | 1 |
| A 187 | Gastroenteritis and colitis | 29 | 2.9 | 11 | 18 |
| A 188 | Diverticular of intestine | 12 | 1.2 | 2 | 10 |
| A 189 | Chronic liver disease and cirrhosis, specified as alcoholic | 37 | 3.7 | 25 | 12 |
| A 190 | Chronic hepatitis and biliary cirrhosis | 4 | 0.4 | – | 4 |
| A 191 | Other, chronic liver disease and cirrhosis without mention of alcohol | 27 | 2.7 | 17 | 10 |
| A 192 | Cholelithiasis and other disorders of gallbladder | 17 | 1.7 | 5 | 12 |
| A 193 | All other diseases of digestive system | 101 | 10.1 | 47 | 54 |
| A 196 | Chronic glomerulonephritis, nephritis, nephropathy, and renal sclerosis unspecified | 8 | 0.8 | 4 | 4 |
| A 197 | Renal failure and other disorders resulting from impaired function | 76 | 7.6 | 32 | 44 |
| A 198 | Infections of kidney | 8 | 0.8 | 2 | 6 |
| A 199 | Urinary calculus | 1 | 0.1 | 1 | – |
| A 200 | Other diseases of urinary system | 11 | 1.1 | 6 | 5 |
| A 201 | Hyperplasia of prostate | 3 | 0.3 | 3 | – |
| A 202 | Other diseases of male genital organs | 2 | 0.2 | 2 | – |
| A 204 | Other diseases of female genital organs | 1 | 0.1 | – | 1 |
| A 217 | Infections of skin and subcutaneous tissue | 1 | 0.1 | 1 | – |
| A 218 | Other diseases of skin and subcutaneous tissue | 3 | 0.3 | – | 3 |
| A 219 | Rheumatoid arthritis and other inflammatory polyarthropathies | 8 | 0.8 | 5 | 3 |
| A 220 | Arthropathies and related disorders | 18 | 1.8 | 8 | 10 |
| A 222 | Rheumatism, excluding the back | 1 | 0.1 | – | 1 |
| A 223 | Ostheopathies, chondropathies, and acquired musculoskeletal deformities | 7 | 0.7 | 4 | 3 |
| A 224 | Spina bifida | 2 | 0.2 | 2 | – |
| A 225 | All other congenital anomalies of nervous system | 6 | 0.6 | 3 | 3 |
| A 226 | Congenital anomalies of heart | 24 | 2.4 | 18 | 6 |
| A 227 | Other congenital anomalies of circulatory system | 5 | 0.5 | 2 | 3 |
| A 228 | All other congenital anomalies | 29 | 2.9 | 14 | 15 |
| A 229 | Birth trauma | 3 | 0.3 | 3 | – |
| A 230 | Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome | 23 | 2.3 | 12 | 11 |
| A 231 | Other conditions originating in the perinatal period | 56 | 5.6 | 30 | 26 |
| A 232 | Senility without mention of psychosis | 12 | 1.2 | 5 | 7 |
| A 233 | Symptoms, signs and other ill-defined conditions | 64 | 6.4 | 35 | 29 |
| AE 234 | Railway accidents | 1 | 0.1 | 1 | – |
| AE 235 | Involving collision with train | 9 | 0.9 | 8 | 1 |

| Age group | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Under 15 | | 15-24 | | 25-44 | | 45-64 | | 65-74 | | 75+ | | |
| M | F | M | F | M | F | M | F | M | F | M | F | |
| – | – | – | – | – | – | – | – | 1 | 1 | 2 | – | A 175 |
| – | – | – | – | – | – | – | – | – | – | 3 | – | A 176 |
| – | – | – | – | – | 1 | 1 | – | 1 | – | 2 | 1 | A 177 |
| 2 | 1 | 1 | – | – | 3 | 8 | 5 | 3 | 6 | 19 | 12 | A 178 |
| – | – | – | – | – | – | 3 | 1 | 3 | – | 3 | 4 | A 180 |
| – | – | – | – | – | – | 2 | – | 5 | 2 | 6 | 8 | A 181 |
| – | – | – | – | – | – | 2 | 2 | 1 | – | 2 | 3 | A 182 |
| – | – | – | – | – | – | – | 1 | 2 | 1 | 3 | 3 | A 183 |
| – | – | – | – | – | 1 | 1 | 1 | – | – | – | 1 | A 184 |
| 1 | – | – | – | – | 1 | 3 | 1 | 2 | 2 | 18 | 18 | A 185 |
| – | – | – | – | – | – | 2 | 1 | – | – | – | – | A 186 |
| 2 | 2 | – | – | – | – | – | – | 3 | 7 | 6 | 9 | A 187 |
| – | – | – | – | – | – | – | – | 1 | – | 1 | 10 | A 188 |
| – | – | – | – | 4 | 5 | 16 | 5 | 4 | 1 | 1 | 1 | A 189 |
| – | – | – | – | – | – | – | 4 | – | – | – | – | A 190 |
| – | – | – | – | 2 | – | 11 | 4 | 1 | 4 | 3 | 2 | A 191 |
| – | – | – | – | – | – | 1 | 1 | 3 | – | 1 | 11 | A 192 |
| – | – | – | 1 | 3 | 2 | 13 | 5 | 8 | 9 | 23 | 37 | A 193 |
| – | 1 | 1 | 1 | 1 | – | 1 | – | – | – | 1 | 2 | A 196 |
| – | – | 1 | 2 | 1 | 2 | 2 | 8 | 10 | 8 | 18 | 24 | A 197 |
| – | – | – | – | – | – | – | 1 | 1 | 1 | 1 | 4 | A 198 |
| – | – | – | – | – | – | – | – | – | – | 1 | – | A 199 |
| – | 1 | – | – | – | – | – | – | – | 1 | 6 | 3 | A 200 |
| – | – | – | – | – | – | – | – | – | – | 3 | – | A 201 |
| – | – | – | – | – | – | 1 | – | – | – | 1 | – | A 202 |
| – | – | – | – | – | – | – | – | – | – | – | 1 | A 204 |
| – | – | – | – | – | – | – | – | – | – | 1 | – | A 217 |
| – | – | – | – | – | – | – | – | – | – | – | 3 | A 218 |
| – | – | – | – | 1 | – | 2 | – | 2 | 1 | – | 2 | A 219 |
| – | – | – | – | – | – | 1 | 2 | 4 | 3 | 3 | 5 | A 220 |
| – | – | – | – | – | – | – | – | – | – | – | 1 | A 222 |
| – | – | – | – | – | – | 1 | – | – | 1 | 3 | 2 | A 223 |
| 2 | – | – | – | – | – | – | – | – | – | – | – | A 224 |
| 3 | 2 | – | – | – | 1 | – | – | – | – | – | – | A 225 |
| 15 | 5 | 1 | – | – | – | 1 | – | 1 | 1 | – | – | A 226 |
| – | 3 | – | – | – | – | 2 | – | – | – | – | – | A 227 |
| 13 | 14 | 1 | – | – | – | – | 1 | – | – | – | – | A 228 |
| 3 | – | – | – | – | – | – | – | – | – | – | – | A 229 |
| 12 | 11 | – | – | – | – | – | – | – | – | – | – | A 230 |
| 30 | 26 | – | – | – | – | – | – | – | – | – | – | A 231 |
| – | – | – | – | – | – | – | – | – | – | 5 | 7 | A 232 |
| 13 | 11 | 1 | 3 | 2 | – | 2 | 2 | 5 | 1 | 12 | 12 | A 233 |
| – | – | – | – | 1 | – | – | – | – | – | – | – | AE 234 |
| 1 | 1 | 1 | – | 3 | – | 1 | – | 2 | – | – | – | AE 235 |

## Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1982 (Continued)

| Cause of death | | All ages | | | |
|---|---|---|---|---|---|
| | | Both sexes | | | |
| | | Number | Rate | Male | Female |
| AE 236 | Involving collision with another motor vehicle | 113 | 11.3 | 76 | 37 |
| AE 237 | Involving collision with pedestrian | 25 | 2.5 | 17 | 8 |
| AE 238 | Involving collision with other vehicle or object | 12 | 1.2 | 12 | — |
| AE 239 | Not involving collision on highway | 64 | 6.4 | 53 | 11 |
| AE 240 | Motor vehicle traffic accident of unspecified nature | 16 | 1.6 | 13 | 3 |
| AE 241 | Motor vehicle nontraffic accident | 9 | 0.9 | 7 | 2 |
| AE 242 | Other road vehicle accidents | 5 | 0.5 | 4 | 1 |
| AE 243 | Water transport accidents | 9 | 0.9 | 9 | — |
| AE 244 | Air and space transport accidents | 8 | 0.8 | 7 | 1 |
| AE 246 | Accidental poisoning by drugs, medicaments, and biologicals | 10 | 1.0 | 4 | 6 |
| AE 247 | Accidental poisoning by other solid or liquid substances | 5 | 0.5 | 3 | 2 |
| AE 248 | Accidental poisoning by gases and vapors | 12 | 1.2 | 9 | 3 |
| AE 249 | Misadventures during medical care | 5 | 0.5 | 5 | — |
| AE 250 | Fall from one level to another | 29 | 2.9 | 19 | 10 |
| AE 251 | Fall on same level | 8 | 0.8 | 3 | 5 |
| AE 252 | Fracture, cause unspecified, and other and unspecified falls | 50 | 5.0 | 23 | 27 |
| AE 253 | Accidents caused by fires and flames | 36 | 3.6 | 25 | 11 |
| AE 255 | Accidental drowning and submersion | 13 | 1.3 | 12 | 1 |
| AE 256 | Suffocation caused by inhalation or ingestion of food or other object | 28 | 2.8 | 20 | 8 |
| AE 258 | Accidents caused by all other and unspecified firearms | 3 | 0.3 | 1 | 2 |
| AE 259 | Accident caused by explosive material | 4 | 0.4 | 3 | 1 |
| AE 260 | Accident caused by hot substances and radiation | 1 | 0.1 | 1 | — |
| AE 261 | Accident caused by electric current | 4 | 0.4 | 3 | 1 |
| AE 262 | All other accidents and late effects of accidental injury | 52 | 5.2 | 43 | 9 |
| AE 263 | Drugs causing adverse effects | 3 | 0.3 | 1 | 2 |
| AE 264 | Suicide by drugs, medicaments and biologicals in therapeutic use | 13 | 1.3 | 6 | 7 |
| AE 265 | Suicide by other solid or liquid substances | 5 | 0.5 | 2 | 3 |
| AE 266 | Suicide by gases and vapors | 14 | 1.4 | 14 | — |
| AE 267 | Suicide by hanging, strangulation and suffocation | 51 | 5.1 | 45 | 6 |
| AE 268 | Suicide by handgun | 4 | 0.4 | 4 | — |
| AE 269 | Suicide by all other and unspecified firearms | 76 | 7.6 | 68 | 8 |
| AE 270 | Suicide by all other means and late effects of self-inflicted injury | 8 | 0.8 | 7 | 1 |
| AE 272 | Assault by all other and unspecified firearms | 14 | 1.4 | 9 | 5 |
| AE 273 | Assault by cutting and piercing instrument | 12 | 1.2 | 9 | 3 |
| AE 274 | Assault by other means and late effects of injury | 7 | 0.7 | 6 | 1 |
| AE 277 | Injury undetermined whether accidentally or purposely inflicted from poisoning by drugs, medicaments and biologicals | 4 | 0.4 | 3 | 1 |
| AE 278 | Injury undetermined whether accidentally or purposely inflicted from poisoning by other solid or liquid substances | 3 | 0.3 | 1 | 2 |
| AE 280 | Injury by unspecified firearms | 2 | 0.2 | — | 2 |
| AE 281 | Injury undetermined whether accidentally or purposely inflicted from injury by all other means and late effects of injury | 11 | 1.1 | 10 | 1 |

| Age group | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Under 15 | | 15-24 | | 25-44 | | 45-64 | | 65-74 | | 75+ | | |
| M | F | M | F | M | F | M | F | M | F | M | F | |
| 7 | 3 | 31 | 7 | 15 | 11 | 13 | 9 | 6 | 5 | 4 | 2 | AE 236 |
| 1 | 2 | 3 | 1 | 2 | 1 | 3 | 1 | 2 | 1 | 6 | 2 | AE 237 |
| 2 | – | 4 | – | 6 | – | – | – | – | – | – | – | AE 238 |
| 2 | 1 | 32 | 5 | 9 | 4 | 8 | – | 2 | 1 | – | – | AE 239 |
| 1 | – | 7 | 1 | 2 | – | 2 | 1 | 1 | 1 | – | – | AE 240 |
| 1 | 2 | 2 | – | 1 | – | – | – | 2 | – | 1 | – | AE 241 |
| 1 | – | 1 | 1 | 1 | – | 1 | – | – | – | – | – | AE 242 |
| – | – | 2 | – | 6 | – | 1 | – | – | – | – | – | AE 243 |
| – | – | 2 | – | 4 | 1 | 1 | – | – | – | – | – | AE 244 |
| – | – | 1 | – | 2 | 4 | 1 | 1 | – | 1 | – | – | AE 246 |
| – | – | – | – | 1 | 1 | 2 | 1 | – | – | – | – | AE 247 |
| – | – | – | 1 | 4 | 1 | 4 | – | – | 1 | 1 | – | AE 248 |
| – | – | – | – | 2 | – | 1 | – | 2 | – | – | – | AE 249 |
| 2 | – | – | – | 1 | 2 | 6 | 2 | 3 | 1 | 7 | 5 | AE 250 |
| – | – | – | – | – | – | – | – | 1 | – | 2 | 5 | AE 251 |
| – | – | – | – | – | – | 8 | 4 | 3 | 2 | 12 | 21 | AE 252 |
| 5 | 2 | 5 | – | 4 | 4 | 5 | 2 | 3 | 3 | 3 | – | AE 253 |
| – | – | 3 | 1 | 1 | – | 2 | – | 4 | – | 2 | – | AE 255 |
| 1 | 2 | – | – | 2 | – | 2 | 2 | 1 | 1 | 14 | 3 | AE 256 |
| – | 1 | – | – | 1 | – | – | 1 | – | – | – | – | AE 258 |
| 1 | – | – | – | 1 | – | 1 | 1 | – | – | – | – | AE 259 |
| 1 | – | – | – | – | – | – | – | – | – | – | – | AE 260 |
| – | – | – | 1 | 3 | – | – | – | – | – | – | – | AE 261 |
| 5 | 1 | 8 | – | 6 | 2 | 12 | 1 | 8 | 1 | 4 | 4 | AE 262 |
| 1 | – | – | – | – | 1 | – | 1 | – | – | – | – | AE 263 |
| – | – | 1 | 3 | 4 | 3 | 1 | 1 | – | – | – | – | AE 264 |
| – | – | – | – | 1 | 1 | 1 | 2 | – | – | – | – | AE 265 |
| – | – | 4 | – | 5 | – | 3 | – | 2 | – | – | – | AE 266 |
| 1 | – | 21 | 3 | 10 | 1 | 7 | 1 | 5 | 1 | 1 | – | AE 267 |
| – | – | 1 | – | 2 | – | 1 | – | – | – | – | – | AE 268 |
| – | – | 23 | 4 | 20 | 4 | 13 | – | 8 | – | 4 | – | AE 269 |
| – | – | 2 | – | 3 | – | – | 1 | – | – | 2 | – | AE 270 |
| – | – | 4 | 2 | 5 | 2 | – | 1 | – | – | – | – | AE 272 |
| – | – | – | 1 | 5 | 1 | 4 | – | – | 1 | – | – | AE 273 |
| – | – | 2 | – | 2 | – | 2 | 1 | – | – | – | – | AE 274 |
| – | – | – | 1 | 2 | – | 1 | – | – | – | – | – | AE 277 |
| – | – | – | – | – | – | 1 | 1 | – | 1 | – | – | AE 278 |
| – | – | – | 1 | – | 1 | – | – | – | – | – | – | AE 280 |
| 1 | – | 3 | – | 3 | 1 | 2 | – | – | – | 1 | – | AE 281 |

## Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1982 (Concluded)

There were no deaths in 1982 from the following:

A 1 Cholera, typhoid, paratyphoid fevers
A 2 Shigellosis
A 4 Amoebiasis
A 6 Ill-defined intestinal infections
A 8 Other tuberculois
A 9 Brucellosis
A 10 Diptheria
A 11 Whooping cough
A 12 Streptococcal throat, scarlatina, erysipelas
A 14 Tetanus
A 17 Acute poliomyelitis
A 18 Smallpox
A 19 Measles
A 20 Rubella
A 21 Anthropod-borne encephalitis
A 24 Typhus and other rickettsioses
A 25 Malaria
A 26 Other arthropod-borne diseases
A 27 Cardiovascular syphilis
A 28 Neurosyphilis
A 29 All other syphilis
A 30 Gonococcal infections
A 31 Other venereal diseases
A 33 Helminthiases
A 51 Malignant neoplasm intrahepatic bile ducts
A 64 Malignant neoplasm of male breast
A 87 Malignant neoplasm of female genital organs
A 90 Malignant neoplasm of breast and genitourinary system
A 91 Malignant neoplasm of all other and unspecified sites
A 97 Diseases of thymus gland
A 102 Nutritional marasmus
A 104 Other nurtitional deficiencies
A 106 Hemolytic anemias
A 112 Alcoholic psychoses
A 115 Drug dependence
A 117 Mental retardation
A 125 Disorders of eye and adnexa
A 127 Acute rheumatic fever
A 129 Disease of aortic valve
A 162 Other diseases of upper respiratory
A 179 Disorder of oral cavity, salivary
A 194 Acute glomerulonephritis
A 195 Nephrotic syndrome
A 203 Disorders of breast
A 205 Ectopic pregnancy
A 206 Spontaneous abortion
A 207 Legally induced abortion
A 208 Illegally induced abortion
A 209 Pregnancy with abortive outcome
A 210 Hemorrhage of pregnancy and childbirth
A 211 Toxemia of pregnancy
A 212 Obstructed labor
A 213 Complication of puerperium
A 214 Direct obstetric causes
A 215 Indirect obstetric causes
A 216 Delivery in completely normal case
A 221 Dorsopathies
AE 245 Vehicle accident elsewhere unclassified
AE 254 Lightning
AE 257 Accidents caused by handgun
AE 271 Assault by handgun
AE 275 Legal execution
AE 276 Other legal intervention
AE 279 From injury by handgun
AE 282 Injury from operations of war

## Table 24. Accidental and Violent Deaths by External Cause and Internal Cause, Saskatchewan, 1982

| External cause of death | Internal cause | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | BN47 | BN48 | BN49 | BN50 | BN51 | BN52 | BN53 | BN54 | BN55 | BN56 | Total |
| All causes of death | 164 | — | 264 | 57 | 28 | 16 | 98 | 3 | 126 | 2 | 758 |
| BE47 Transport accidents | 86 | — | 143 | 17 | — | 2 | 1 | — | 22 | — | 271 |
| BE48 Accidental poisoning | — | — | — | — | — | — | 27 | — | — | — | 27 |
| BE49 Misadventures during medical care | — | — | 1 | — | — | — | 1 | 3 | — | — | 5 |
| BE50 Accidental falls | 64 | — | 22 | — | — | — | — | — | 1 | — | 87 |
| BE51 Accidents caused by fires and flames | — | — | — | — | — | 10 | 26 | — | — | — | 36 |
| BE52 Other accidents, late effects | 6 | — | 14 | 5 | 28 | 4 | — | — | 46 | 2 | 105 |
| BE53 Effects of drugs and medication | — | — | 1 | — | — | — | 2 | — | — | — | 3 |
| BE54 Suicide and self-inflicted injury | 4 | — | 56 | 26 | — | — | 32 | — | 53 | — | 171 |
| BE55 Homicide and intentional injury | — | — | 22 | 9 | — | — | 1 | — | 1 | — | 33 |
| BE56 Other violence | 4 | — | 5 | — | — | — | 8 | — | 3 | — | 20 |

Codes for internal cause of deaths:

BN47 Fractures
BN48 Dislocations, sprains, strains
BN49 Intracranial, internal injury, nerves
BN50 Open wounds, injury to blood vessels
BN51 Effects/body entering through orifice
BN52 Burns
BN53 Poisonings and toxic agents
BN54 Complications/medical and surgical care
BN55 Other injuries
BN56 Effects of injury, poisons, toxicity

## Table 25. Suicide by Province, 1977-1982

| | 1977 | | 1978 | | 1979 | | 1980 | | 1981 | | 1982 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. | Rate* | No. | Rate* | No. | Rate* | No. | Rate* | No. | Rate* | No. | Rate* |
| Canada | 3,317 | 14.2 | 3,475 | 14.7 | 3,357 | 14.0 | 3,358 | 13.9 | 3,403 | 14.0 | 3,523 | 14.3 |
| Newfoundand | 21 | 3.7 | 15 | 2.6 | 25 | 4.4 | 19 | 3.3 | 24 | 4.2 | 34 | 6.0 |
| Prince Edward Island | 12 | 10.0 | 16 | 13.1 | 16 | 13.0 | 14 | 11.3 | 9 | 7.3 | 11 | 9.0 |
| Nova Scotia | 94 | 11.3 | 105 | 12.5 | 106 | 12.5 | 97 | 11.4 | 92 | 10.9 | 104 | 12.2 |
| New Brunswick | 72 | 10.5 | 90 | 13.0 | 84 | 12.0 | 81 | 11.4 | 77 | 11.1 | 90 | 12.9 |
| Quebec | 777 | 12.4 | 894 | 14.2 | 981 | 15.6 | 947 | 15.0 | 1,054 | 16.4 | 1,071 | 16.5 |
| Ontario | 1,216 | 14.5 | 1,208 | 14.3 | 1,105 | 13.0 | 1,121 | 13.1 | 1,075 | 12.5 | 1,111 | 12.7 |
| Manitoba | 180 | 17.5 | 159 | 15.4 | 151 | 14.6 | 121 | 11.8 | 144 | 14.0 | 139 | 13.4 |
| Saskatchewan | 146 | 15.6 | 164 | 17.3 | 142 | 14.8 | 153 | 15.8 | 171 | 17.7 | 171 | 17.5 |
| Alberta | 344 | 18.1 | 330 | 16.9 | 314 | 15.6 | 389 | 18.7 | 344 | 15.4 | 359 | 15.5 |
| British Columbia | 438 | 17.5 | 463 | 18.3 | 419 | 16.3 | 396 | 15.0 | 398 | 14.5 | 418 | 15.0 |
| Yukon | 5 | 23.3 | 7 | 32.3 | 6 | 27.8 | 11 | 51.4 | 5 | 21.6 | 7 | 29.5 |
| Northwest Territories | 12 | 27.7 | 24 | 55.0 | 8 | 18.4 | 9 | 20.9 | 10 | 21.9 | 8 | 17.0 |

** Rate per 100,000 population.*

## Table 26. Suicide by Age Group and Sex, Saskatchewan, 1961-1982

| | | Under 15 | | 15-24 | | 25-44 | | 45-64 | | 65-74 | | 75+ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | F | M | F | M | F | M | F | M | F | M | F |
| 1961 | Number | — | — | 7 | 1 | 17 | 3 | 35 | 8 | 15 | 2 | 6 | — |
| | Rate* | — | — | 10.5 | 1.6 | 14.5 | 2.7 | 40.1 | 10.2 | 51.1 | 8.3 | 33.3 | — |
| 1966 | Number | 2 | — | 4 | 6 | 21 | — | 24 | 7 | 9 | — | 3 | — |
| | Rate* | 1.2 | — | 5.2 | 8.1 | 19.2 | — | 25.9 | 8.1 | 33.8 | — | 15.0 | — |
| 1971 | Number | 1 | — | 12 | 1 | 14 | 3 | 32 | 8 | 3 | — | 4 | — |
| | Rate* | 0.7 | — | 14.3 | 1.2 | 13.8 | 3.1 | 33.9 | 8.7 | 10.9 | — | 19.9 | — |
| 1976 | Number | — | — | 25 | 13 | 34 | 9 | 22 | 9 | 3 | 6 | 7 | 1 |
| | Rate* | — | — | 27.4 | 14.9 | 32.3 | 8.9 | 23.7 | 9.7 | 9.9 | 19.6 | 37.1 | 4.5 |
| 1981 | Number | 2 | 2 | 39 | 15 | 42 | 13 | 25 | 6 | 11 | 5 | 8 | 3 |
| | Rate* | 1.8 | 1.9 | 41.9 | 16.5 | 33.6 | 10.8 | 27.3 | 6.5 | 32.6 | 13.8 | 39.4 | 11.7 |
| 1982 | Number | 1 | — | 52 | 10 | 45 | 9 | 26 | 5 | 15 | 1 | 7 | — |
| | Rate* | 0.8 | — | 56.3 | 11.1 | 34.8 | 7.2 | 28.5 | 5.4 | 43.7 | 2.7 | 33.8 | — |

** Rate per 100,000 population.*

# Infant Mortality

### Infant Mortality Rate

A favourable infant mortality rate is one of the indications of good general health conditions in an area.

One of the most important of the factors influencing the infant mortality rate is the proportion of births that take place in hospital or under proper medical care. Successful public health programs, availability of hospital facilities, high quality of medical care and high standards of living are some of the conditions which have assisted in creating a downward trend in infant mortality.

The risk of death during the first year of life is higher than at any other age except at very old ages. Not until age 65 for males and age 70 for females is there a greater probability of death than that of infancy — see Saskatchewan Life Table (Table 38 in this report).

### Infant Deaths by Age and Sex

Of the total infant deaths, 38.2 per cent occurred during the first day of life and 44.1 per cent before the third day. Sixty-one per cent occurred by the end of the first month.

In 1982 the male infant mortality rate was 11.8 per 1,000 male live births, and the female rate was 9.1 per 1,000 female live births.

### Causes of Infant Deaths

In 1982 congenital anomalies caused 54 infant deaths (29.0 per cent of the total). Hypoxia, birth asphyxia, and respiratory conditions accounted for 48 infant deaths(25.8 per cent), and immaturity for 16 infant deaths(8.6 per cent). Influenza and pneumonia caused 9 infant deaths (4.8 per cent).

### Neonatal Mortality (deaths under 4 weeks of age)

Of the 113 neonatal deaths in Saskatchewan in 1982, 71 occurred during the first day and 94 in the first week of life. Hypoxia, asphyxia, and respiratory conditions were the leading causes of neonatal death, followed by congenital anomalies and immaturity.

Saskatchewan's 1982 neonatal mortality rate of 6.4 per 1,000 live births was slightly higher than the rate for all of Canada which was 5.9.

### Perinatal Mortality

Deaths occurring before, and soon after, the natal or delivery period frequently have the same underlying causes. Perinatal deaths consist of stillbirths plus deaths under one week of age and the rate is expressed as a proportion of total births (live and stillborn). Under the definition of stillbirth adopted in 1961, in which the minimum gestational period was lowered from 28 to 20 weeks, there were 231 perinatal deaths with a rate of 13.0 per 1,000 total births in 1982, compared with a rate of 13.3 in 1981. Using the old definition of stillbirth (28+ weeks gestation) perinatal deaths would number 195 in 1982, giving a rate of 11.0 per 1,000 total births.

## Table 27. Distribution of Infant Deaths by Age, Saskatchewan, 1982

| Age | Number | Per cent | Rate* | Cumulative | | |
|---|---|---|---|---|---|---|
| | | | | Number | Per cent | Rate* |
| Total | 186 | 100.0 | 10.5 | 186 | 100.0 | 10.5 |
| 1st day | 71 | 38.2 | 4.0 | 71 | 38.2 | 4.0 |
| 2nd day | 11 | 5.9 | 0.6 | 82 | 44.1 | 4.6 |
| 3rd day | 3 | 1.6 | 0.2 | 85 | 45.7 | 4.8 |
| 4th day | 3 | 1.6 | 0.2 | 88 | 47.3 | 5.0 |
| 5th day | 2 | 1.1 | 0.1 | 90 | 48.4 | 5.1 |
| 6th day | 2 | 1.1 | 0.1 | 92 | 49.5 | 5.2 |
| 7th day | 2 | 1.1 | 0.1 | 94 | 50.5 | 5.3 |
| 1st week | 94 | 50.5 | 5.3 | 94 | 50.5 | 5.3 |
| 2nd week | 9 | 4.8 | 0.5 | 103 | 55.4 | 5.8 |
| 3rd week | 7 | 3.8 | 0.4 | 110 | 59.1 | 6.2 |
| 4th week | 3 | 1.6 | 0.2 | 113 | 60.8 | 6.4 |
| 1st month | 113 | 60.8 | 6.4 | 113 | 60.8 | 6.4 |
| 2nd month | 14 | 7.5 | 0.8 | 127 | 68.3 | 7.2 |
| 3rd month | 18 | 9.7 | 1.0 | 145 | 78.0 | 8.2 |
| 4th month | 16 | 8.6 | 0.9 | 161 | 86.6 | 9.1 |
| 5th month | 5 | 2.7 | 0.3 | 166 | 89.2 | 9.4 |
| 6th month | 7 | 3.8 | 0.4 | 173 | 93.0 | 9.8 |
| 7th month | 3 | 1.6 | 0.2 | 176 | 94.6 | 9.9 |
| 8th month | 3 | 1.6 | 0.2 | 179 | 96.2 | 10.1 |
| 9th month | 1 | 0.5 | 0.1 | 180 | 96.8 | 10.2 |
| 10th month | 2 | 1.1 | 0.1 | 182 | 97.8 | 10.3 |
| 11th month | 2 | 1.1 | 0.1 | 184 | 98.9 | 10.4 |
| 12th month | 2 | 1.1 | 0.1 | 186 | 100.0 | 10.5 |

** Rate per 1,000 live births.*

## Table 28. Infant Deaths by Sex and Age at Death, with Rates per 1,000 Live Births, Saskatchewan, 1982

| Age of child | Number of infant deaths | | Rate* | | Per cent | |
|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female |
| Total | 106 | 80 | 11.8 | 9.1 | 100.0 | 100.0 |
| Under 1 day | 28 | 29 | 3.1 | 3.3 | 26.4 | 36.3 |
| 1 day - 1 week | 22 | 13 | 2.5 | 1.5 | 20.8 | 16.3 |
| 1 week - 1 month | 13 | 8 | 1.4 | 0.9 | 12.3 | 10.0 |
| 1 month - 6 months | 33 | 27 | 3.7 | 3.1 | 31.1 | 33.8 |
| 6 months - 1 year | 10 | 3 | 1.1 | 0.3 | 9.4 | 3.8 |

** Rate per 1,000 live births.*

## Table 29. Infant Deaths by Selected Causes with Rates per 1,000 Live Births by Age at Death, Saskatchewan, 1982

| Cause of death | Total under 1 year | | Total under 28 days | | Under 1 day | | 1 day | | 2 days | | 3 days | | 4 days | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number | Rate | Number | Rate | M | F | M | F | M | F | M | F | M | F |
| All infant deaths | 186 | 10.5 | 113 | 6.4 | 28 | 29 | 8 | 6 | 7 | 4 | 1 | 2 | 3 | — |
| Dysentry (004,008-009) | 1 | 0.1 | — | — | — | — | — | — | — | — | — | — | — | — |
| Meningoccal infections (036) | 2 | 0.1 | — | — | — | — | — | — | — | — | — | — | — | — |
| Pneumonia (480-486) | 9 | 0.5 | 2 | 0.1 | — | — | — | — | — | — | — | — | — | — |
| Congenital anomalies | | | | | | | | | | | | | | |
| Brain, spine, nervous system (740-742) | 7 | 0.4 | 5 | 0.3 | 1 | 1 | 1 | — | 1 | — | — | — | — | — |
| Heart (746) | 14 | 0.8 | 10 | 0.6 | 1 | — | 1 | — | 1 | — | 1 | — | — | — |
| Other circulatory system (747) | 3 | 0.2 | 1 | 0.1 | — | — | — | — | — | 1 | — | — | — | — |
| Respiratory system (748) | 3 | 0.2 | 2 | 0.1 | 1 | 1 | — | — | — | — | — | — | — | — |
| Digestive system (749-751) | 2 | 0.1 | 1 | 0.1 | — | — | — | — | — | — | — | — | — | — |
| Urinary system (753) | 3 | 0.2 | 3 | 0.2 | — | 2 | — | 1 | — | — | — | — | — | — |
| Other and unspecified (759) | 11 | 0.6 | 7 | 0.4 | 1 | 5 | — | — | — | — | — | — | — | — |
| Certain causes of perinatal mortality | | | | | | | | | | | | | | |
| Condition of placenta, cord, membrane (762) | 6 | 0.3 | 6 | 0.3 | 1 | 4 | — | — | — | — | — | — | 1 | — |
| Birth injury (763) | 1 | 0.1 | 1 | 0.1 | — | 1 | — | — | — | — | — | — | — | — |
| Immaturity (765) | 16 | 0.9 | 16 | 0.9 | 10 | 4 | — | 1 | — | — | — | — | — | — |
| Haemolytic disease (773) | 1 | 0.1 | 1 | 0.1 | — | 1 | — | — | — | — | — | — | — | — |
| Other complications (779) | 1 | 0.1 | 1 | 0.1 | — | — | — | — | — | — | — | — | — | — |
| Symptoms, ill-defined conditions (780-799) | 23 | 1.3 | 1 | 0.1 | — | — | — | — | — | — | — | — | — | — |
| Inhalation and ingestion (E911-E912) | 3 | 0.2 | — | — | — | — | — | — | — | — | — | — | — | — |
| All other causes | 80 | 4.5 | 56 | 3.2 | 13 | 10 | 6 | 4 | 5 | 3 | — | 2 | 2 | — |

| 5 days | | 6 days | | 7-13 days | | 14-20 days | | 21-27 days | | 28 days under 2 mths | | 2 months | | 3 months | | 4 months | | 5 months | | 6-8 months | | 9-11 months | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| 2 | – | 1 | 1 | 5 | 4 | 5 | 3 | 3 | 1 | 10 | 4 | 13 | 5 | 5 | 11 | 2 | 3 | 3 | 4 | 6 | 1 | 4 | 2 |
| – | – | – | – | – | – | – | – | – | – | – | – | 1 | – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – | 1 | – | – | – | – | – | – | – | – | – | – | 1 | – |
| – | – | – | – | – | – | 1 | – | 1 | – | – | 1 | 3 | – | – | – | – | – | 1 | 2 | – | – | – | – |
| – | – | – | – | – | – | – | 1 | – | – | – | 1 | – | – | – | – | – | – | – | – | – | 1 | – | – |
| 2 | – | – | 1 | 1 | 1 | 1 | – | – | – | 2 | – | – | – | 1 | 1 | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – | – | – | 1 | – | – | – | – | – | 1 | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – | – | – | – | 1 | – | – | – | – | – | – | – | – | – |
| – | – | 1 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 1 |
| – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | 1 | – | – | – | – | 1 | – | 1 | – | – | 2 | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | 1 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | 1 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| – | – | – | – | – | – | – | 1 | – | – | 4 | 2 | 1 | 2 | 3 | 3 | 1 | 2 | 1 | – | 3 | – | – | – |
| – | – | – | – | – | – | – | – | – | – | – | – | – | 1 | – | 1 | – | – | 1 | – | – | – | – | – |
| – | – | – | – | 4 | 1 | 1 | 2 | 2 | 1 | 2 | – | 7 | 1 | – | 4 | 1 | 1 | – | 1 | 3 | – | 3 | 1 |

## Table 30. Infant Deaths from Specific Causes by Sex with Rates per 1,000 Live Births, Saskatchewan, 1982

| Cause of death | Total | Sex | |
|---|---|---|---|
| | | Male | Female |
| | Number | | |
| All infant deaths | 186 | 106 | 80 |
| Infectious diseases (001-003,101-139) | 2 | 1 | 1 |
| Gastrointestinal(04,06-09,535,555-558) | 3 | 2 | 1 |
| Influenza, pneumonia (480-487) | 9 | 6 | 3 |
| Congenital anomalies (740-759) | 54 | 32 | 22 |
| Certain causes of perinatal mortality | | | |
| Birth trauma, injury (763,767) | 4 | 3 | 1 |
| Hypoxia, asphyxia, respiratory (768-770) | 48 | 26 | 22 |
| Immaturity (765) | 16 | 11 | 5 |
| Other causes (remainder 760-779) | 14 | 5 | 9 |
| Other and ill-defined causes | 36 | 20 | 16 |
| | Rate per 1,000 live births | | |
| All infant deaths | 10.5 | 11.8 | 9.1 |
| Infectious diseases (001-003,101-139) | 0.1 | 0.1 | 0.1 |
| Gastrointestinal(04,06-09,535,555-558) | 0.2 | 0.2 | 0.1 |
| Influenza, pneumonia (480-487) | 0.5 | 0.7 | 0.3 |
| Congenital anomalies (740-759) | 3.0 | 3.6 | 2.5 |
| Certain causes of perinatal mortality | | | |
| Birth trauma, injury (763,767) | 0.2 | 0.3 | 0.1 |
| Hypoxia, asphyxia, respiratory (768-770) | 2.7 | 2.9 | 2.5 |
| Immaturity (765) | 0.9 | 1.2 | 0.6 |
| Other causes (remainder 760-779) | 0.8 | 0.6 | 1.0 |
| Other and ill-defined causes | 2.0 | 2.2 | 1.8 |

## Table 31. Infant Deaths from Specific Causes by Age at Death with Rates per 1,000 Live Births, Saskatchewan, 1982

| Cause of death | Total | 0-6 days | 7-27 days | 28 days to 12 months |
|---|---|---|---|---|
| | Number | | | |
| All infant deaths | 186 | 92 | 21 | 73 |
| Infectious diseases (001-003,101-139) | 2 | — | — | 2 |
| Gastrointestinal(04,06-09,535,555-558) | 3 | — | — | 3 |
| Influenza, pneumonia (480-487) | 9 | — | 2 | 7 |
| Congenital anomalies (740-759) | 54 | 29 | 7 | 18 |
| Certain causes of perinatal mortality | | | | |
| Birth trauma, injury (763,767) | 4 | 4 | — | — |
| Hypoxia, asphyxia, respiratory (768-770) | 48 | 32 | 7 | 9 |
| Immaturity (765) | 16 | 15 | 1 | — |
| Other causes (remainder 760-779) | 14 | 12 | 2 | — |
| Other and ill-defined causes | 36 | — | 2 | 34 |
| | Rate per 1,000 live births | | | |
| All infant deaths | 10.5 | 5.2 | 1.2 | 4.1 |
| Infectious diseases (001-003,101-139) | 0.1 | — | — | 0.1 |
| Gastrointestinal(04,06-09,535,555-558) | 0.2 | — | — | 0.2 |
| Influenza, pneumonia (480-487) | 0.5 | — | 0.1 | 0.4 |
| Congenital anomalies (740-759) | 3.0 | 1.6 | 0.4 | 1.0 |
| Certain causes of perinatal mortality | | | | |
| Birth trauma, injury (763,767) | 0.2 | 0.2 | — | — |
| Hypoxia, asphyxia, respiratory (768-770) | 2.7 | 1.8 | 0.4 | 0.5 |
| Immaturity (765) | 0.9 | 0.8 | 0.1 | — |
| Other causes (remainder 760-779) | 0.8 | 0.7 | 0.1 | — |
| Other and ill-defined causes | 2.0 | — | 0.1 | 1.9 |

# Marriages and Divorces

### Rate of Marriages

There were 7,491 marriages in Saskatchewan in 1982 giving a marriage rate per 1,000 population of 7.6. For Canada as a whole, the rate decreased from 7.8 in 1981 to 7.6 in 1982.

July was the most favoured month for marriages in 1982 followed by August and June. The smallest number of marriages occurred in January.

The following table shows the distribution of marriage registrations by month.

| *Month* | *Number* |
|---|---|
| January | 182 |
| February | 249 |
| March | 240 |
| April | 506 |
| May | 799 |
| June | 835 |
| July | 1,417 |
| August | 950 |
| September | 581 |
| October | 811 |
| November | 488 |
| December | 473 |

### Previous Marital Status and Age at Marriage

In 1982 in Saskatchewan, 77.8 per cent of all marriages were between persons who had not been previously married.

Of brides, 21.2 per cent were age 19 or less, whereas 5.0 per cent of bridegrooms fell into this category. Nearly 51.8 per cent of all bridegrooms and 69.4 per cent of all brides were 24 years or less. The average age of grooms was 27.1 and brides 24.0.

The following table gives a comparison of the average age of bridegrooms and brides for the years 1973-1982.

**Average Age at Time of Marriage in Years**

| | *Bridegroom* | *Bride* |
|---|---|---|
| 1973 | 26.2 | 23.8 |
| 1974 | 25.4 | 22.9 |
| 1975 | 25.6 | 23.1 |
| 1976 | 25.8 | 23.2 |
| 1977 | 26.7 | 23.9 |
| 1978 | 26.3 | 23.6 |
| 1979 | 26.4 | 23.8 |
| 1980 | 26.7 | 24.0 |
| 1981 | 27.1 | 24.4 |
| 1982 | 27.6 | 24.9 |

### Birth Place and Religious Denomination

The number of Saskatchewan born brides was 6,016 or 80.3 per cent of total brides while Saskatchewan born grooms numbered 5,617 or 75.0 per cent; 93.6 per cent of all grooms and 95.4 per cent of all brides were born in Canada.

Both parties were of the same religious denomination in 44.1 per cent of all marriages recorded in Saskatchewan in 1982.

### Divorces and Annulments

There were 1,815 divorces and annulments in Saskatchewan in 1982, a decrease of 117 from the previous year. The rate of divorces and annulments per 100,000 population in 1982 was 185 compared to 199 for 1981.

The ratio of divorces and annulments to marriages was 1:4 in 1981 and 1:4 in 1982.

## Table 32. Divorces and Annulments, Ratio to Marriages, and Rate per 100,000 Population, Saskatchewan, 1976-1982

| Item | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 |
|---|---|---|---|---|---|---|---|
| Number of divorces and annulments | 1,207† | 1,474† | 1,428† | 1,528† | 1,836 | 1,932 | 1,815 |
| Number of marriages | 7,563 | 7,238 | 7,135 | 7,261 | 7,561 | 7,325 | 7,491 |
| Ratio of divorces and annulments to marriages | 1:6 | 1:5 | 1:5 | 1:5 | 1:4 | 1:4 | 1:4 |
| Rate of divorces and annulments per 100,000 population | 131 | 157† | 151† | 159† | 189 | 199 | 185 |

*† Revised figure.*

*Source: Divorce figures from Statistics Canada publication "Vital Statistics. Volume II Marriages and Divorces", 84-205.*

## Table 33. Marriages by Previous Marital Status of Bridegroom and Bride, Saskatchewan, 1982

| Status of bridegroom | Total | Status of bride | | |
|---|---|---|---|---|
| | | Single | Widow | Divorced |
| Total | 7,491 | 6,383 | 219 | 889 |
| Single | 6,310 | 5,827 | 64 | 419 |
| Widower | 175 | 33 | 99 | 43 |
| Divorced | 1,006 | 523 | 56 | 427 |

## Table 34. Bridegrooms and Brides by Age and Previous Marital Status, Saskatchewan, 1982

| Age group | Bridegrooms | | | | Brides | | | |
|---|---|---|---|---|---|---|---|---|
| | Total | Single | Widower | Divorced | Total | Single | Widow | Divorced |
| | Number | | | | | | | |
| Total | 7,491 | 6,310 | 175 | 1,006 | 7,491 | 6,383 | 219 | 889 |
| Under 20 | 378 | 378 | — | — | 1,589 | 1,587 | — | 2 |
| 20-24 | 3,499 | 3,476 | — | 23 | 3,607 | 3,496 | 6 | 105 |
| 25-29 | 1,969 | 1,738 | 2 | 229 | 1,262 | 990 | 13 | 259 |
| 30-34 | 716 | 448 | 9 | 259 | 411 | 203 | 9 | 199 |
| 35-39 | 324 | 134 | 6 | 184 | 197 | 54 | 18 | 125 |
| 40-44 | 171 | 44 | 6 | 121 | 127 | 16 | 21 | 90 |
| 45-49 | 119 | 32 | 15 | 72 | 89 | 15 | 23 | 51 |
| 50-54 | 74 | 20 | 14 | 40 | 63 | 6 | 24 | 33 |
| 55-59 | 87 | 18 | 32 | 37 | 46 | 6 | 29 | 11 |
| 60-64 | 57 | 6 | 27 | 24 | 49 | 7 | 33 | 9 |
| 65-69 | 40 | 8 | 24 | 8 | 25 | 3 | 19 | 3 |
| 70-74 | 27 | 4 | 17 | 6 | 19 | — | 18 | 1 |
| 75+ | 30 | 4 | 23 | 3 | 7 | — | 6 | 1 |
| Average age | 27.1 | 24.7 | 59.4 | 36.9 | 24.4 | 22.2 | 52.2 | 33.5 |
| Median age | 24.0 | 23.0 | 60.0 | 34.0 | 22.0 | 21.0 | 54.0 | 31.0 |

*Average and median ages were calculated using single year age groups.*

## Table 35. Marriages by Religious Denomination of Bridegroom and Bride, Saskatchewan, 1982

| Denomination | Number | | | Per cent | | |
|---|---|---|---|---|---|---|
| | Both parties* | Bridegroom | Bride | Both parties* | Bridegroom | Bride |
| Total | 3,303 | 7,491 | 7,491 | 44.1 | 100.0 | 100.0 |
| Baptists | 48 | 141 | 140 | 0.6 | 1.9 | 1.9 |
| Lutherans | 184 | 648 | 645 | 2.5 | 8.7 | 8.6 |
| Mennonites | 128 | 211 | 224 | 1.7 | 2.8 | 3.0 |
| Presbyterians | 14 | 110 | 97 | 0.2 | 1.5 | 1.3 |
| Roman Catholics | 1,128 | 2,263 | 2,303 | 15.1 | 30.2 | 30.7 |
| United Church | 892 | 1,888 | 1,971 | 11.9 | 25.2 | 26.3 |
| All other religions | 654 | 1,374 | 1,311 | 8.7 | 18.3 | 17.5 |
| No religion | 105 | 286 | 195 | 1.4 | 3.8 | 2.6 |
| Unspecified or unknown | 150 | 570 | 605 | 2.0 | 7.6 | 8.1 |

* *These figures and percentages represent marriages in which both the bridegroom and bride were of the same religious denomination. The difference between this figure and the total number of marriages represents the proportion in which bridegroom and bride were of different religious denominations. Includes Eastern Orthodox Churches and Doukhobors.*

## Table 36. Marriages by Birthplace of Bridegroom and Bride, Saskatchewan, 1982

| Birthplace of bridegroom | Birthplace of bride | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | Sask. | Alta. | B.C. | Man. | Ont. | Other prov. | U.S. | Asia | Europe | Africa | Other | Not stated |
| Total | 7,491 | 6,016 | 314 | 148 | 278 | 250 | 141 | 70 | 97 | 140 | 5 | 32 | — |
| Saskatchewan | 5,617 | 4,712 | 229 | 103 | 180 | 157 | 69 | 47 | 7 | 95 | 3 | 15 | — |
| Alberta | 340 | 275 | 29 | 6 | 11 | 7 | 5 | 2 | — | 4 | 1 | — | — |
| British Columbia | 145 | 115 | 5 | 6 | 6 | 5 | 4 | 1 | 1 | 2 | — | — | — |
| Manitoba | 348 | 272 | 14 | 9 | 31 | 12 | 5 | 1 | — | 3 | — | 1 | — |
| Ontario | 357 | 241 | 18 | 12 | 16 | 43 | 12 | 4 | 2 | 6 | — | 3 | — |
| Other provinces | 206 | 121 | 6 | 8 | 16 | 11 | 32 | 3 | 1 | 6 | — | 2 | — |
| United States | 87 | 68 | 2 | 1 | 2 | 2 | 3 | 6 | 1 | 1 | — | 1 | — |
| Asia | 116 | 23 | 2 | — | 2 | 1 | 2 | — | 82 | 2 | — | 2 | — |
| Europe | 220 | 157 | 6 | 2 | 13 | 8 | 6 | 5 | 2 | 20 | — | 1 | — |
| Africa | 20 | 10 | 3 | 1 | — | 2 | 2 | — | 1 | — | 1 | — | — |
| Other | 33 | 20 | — | — | 1 | 2 | 1 | 1 | — | 1 | — | 7 | — |
| Not stated | 2 | 2 | — | — | — | — | — | — | — | — | — | — | — |

# Life Expectancy

A life expectancy table is, in effect, the history of mortality of 100,000 male babies and of 100,000 female babies born at the same time. Life expectancy figures provide a graphic picture of the extent to which the saving of lives has gradually prolonged the average expectation of life, and are fairly good mirrors reflecting the general health and survival conditions at the time of their compiling.

According to the Saskatchewan life table compiled on the basis of the 1981 census, the life expectancy at birth reached an all time peak for females, 79.61 years, and for males, 72.43 years. The gain in life expectancy is greater in females. A sharp rise in the probability of death begins at age 56 for males and at 65 for females, the decrease in expectancy being faster for males than females.

## Table 37. Life Expectancy, Saskatchewan, 1941, 1961, 1981

| | Life expectancy | | | Gain or loss in life expectancy | |
|---|---|---|---|---|---|
| Age | 1941 | 1961 | 1981 | 1961 over 1941 | 1981 over 1961 |
| | Males | | | | |
| At birth | 65.43 | 70.27 | 72.43 | 4.84 | 2.16 |
| 20 | 51.28 | 53.49 | 54.35 | 2.21 | 0.86 |
| 40 | 33.32 | 34.99 | 35.92 | 1.67 | 0.93 |
| 60 | 16.82 | 18.10 | 19.09 | 1.28 | 0.99 |
| 80 | 5.76 | 6.31 | 7.16 | 0.55 | 0.85 |
| | Females | | | | |
| At birth | 68.19 | 75.93 | 79.61 | 7.74 | 3.68 |
| 20 | 53.08 | 58.35 | 60.85 | 5.27 | 2.50 |
| 40 | 34.96 | 39.09 | 41.64 | 4.13 | 2.55 |
| 60 | 18.26 | 21.09 | 23.65 | 2.83 | 2.56 |
| 80 | 6.38 | 7.29 | 8.94 | 0.91 | 1.65 |

*Note: Source of figures for 1941: Life Tables for Canada and Regions, 1941 and 1931, D.B.S. Ottawa 1947. These figures have been calculated for the prairie provinces. The figures for 1961 have been calculated for Saskatchewan by the Department of Health. The figures for 1981 are taken from the Statistics Canada publication, Life Tables, Canada and Provinces, 1980-1982.*

## Table 38. Life Table for Saskatchewan in Shortened Form, 1981 — Males

| Age | Number of survivors $l_x$ | Number of deaths $d_x$ | Probability of death before reaching next birthday $q_x$ | Life expectancy $e_x^o$ |
|---|---|---|---|---|
| At birth | 100,000 | 1,320 | .01320 | 72.43 |
| 1 year | 98,680 | 108 | .00190 | 72.40 |
| 2 years | 98,572 | 79 | .00080 | 71.48 |
| 3 years | 98,493 | 64 | .00065 | 70.53 |
| 4 years | 98,429 | 57 | .00058 | 69.58 |
| 5 years | 98,372 | 44 | .00045 | 68.62 |
| 10 years | 98,245 | 21 | .00021 | 63.71 |
| 15 years | 98,002 | 126 | .00130 | 58.86 |
| 20 years | 97,150 | 199 | .00204 | 54.35 |
| 25 years | 96,193 | 168 | .00176 | 49.87 |
| 30 years | 95,430 | 135 | .00141 | 45.24 |
| 35 years | 94,743 | 157 | .00165 | 40.55 |
| 40 years | 93,837 | 222 | .00236 | 35.92 |
| 45 years | 92,494 | 365 | .00394 | 31.40 |
| 50 years | 90,330 | 517 | .00572 | 27.09 |
| 55 years | 87,300 | 792 | .00908 | 22.94 |
| 60 years | 82,629 | 1,127 | .01364 | 19.09 |
| 65 years | 76,126 | 1,618 | .02126 | 15.49 |
| 70 years | 66,756 | 2,262 | .03389 | 12.30 |
| 75 years | 54,226 | 2,827 | .05214 | 9.54 |
| 80 years | 39,472 | 3,023 | .07657 | 7.16 |
| 85 years | 24,386 | 2,926 | .12000 | 5.04 |

## Table 38. Life Table for Saskatchewan in Shortened Form, 1981 — Females (Continued)

| Age | Number of survivors $l_x$ | Number of deaths $d_x$ | Probability of death before reaching next birthday $q_x$ | Life expectancy $e_x^o$ |
|---|---|---|---|---|
| At birth | 100,000 | 914 | .00914 | 79.61 |
| 1 year | 99,086 | 86 | .00087 | 79.34 |
| 2 years | 99,000 | 45 | .00046 | 78.41 |
| 3 years | 98,955 | 34 | .00034 | 77.45 |
| 4 years | 98,921 | 30 | .00030 | 76.47 |
| 5 years | 98,891 | 25 | .00026 | 75.50 |
| 10 years | 98,788 | 18 | .00019 | 70.57 |
| 15 years | 98,657 | 48 | .00049 | 65.66 |
| 20 years | 98,371 | 55 | .00056 | 60.85 |
| 25 years | 98,107 | 58 | .00060 | 56.00 |
| 30 years | 97,779 | 73 | .00075 | 51.18 |
| 35 years | 97,369 | 101 | .00103 | 46.39 |
| 40 years | 96,809 | 122 | .00126 | 41.64 |
| 45 years | 96,096 | 199 | .00207 | 36.93 |
| 50 years | 94,897 | 285 | .00300 | 32.36 |
| 55 years | 93,208 | 458 | .00492 | 27.90 |
| 60 years | 90,508 | 633 | .00698 | 23.65 |
| 65 years | 86,918 | 890 | .01024 | 19.52 |
| 70 years | 81,591 | 1,368 | .01677 | 15.62 |
| 75 years | 73,395 | 2,085 | .02840 | 12.07 |
| 80 years | 61,250 | 2,930 | .04784 | 8.94 |
| 85 years | 44,776 | 3,785 | .08452 | 6.26 |